

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: NEO-RAY

Report Number: P1029363

Luminaire Tested: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

Issue Date: 5/6/2025

**Test Information**

Test Method: LM-79-2019  
Report Number: P1029363  
REPORT IS A COMBINATION OF REPORTS P985659 AND P1007351  
Test Lab: INNOVATION CENTER  
Issue Date: 5/6/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: NEO-RAY  
Catalog Number: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K  
Description: Define 2 Direct/Indirect Wall Mount with 3500K BioUP LEDs {m-DER=0.721} {m-EER=0.792}  
Light Source: -  
Ballast/Driver: -

**Summary**

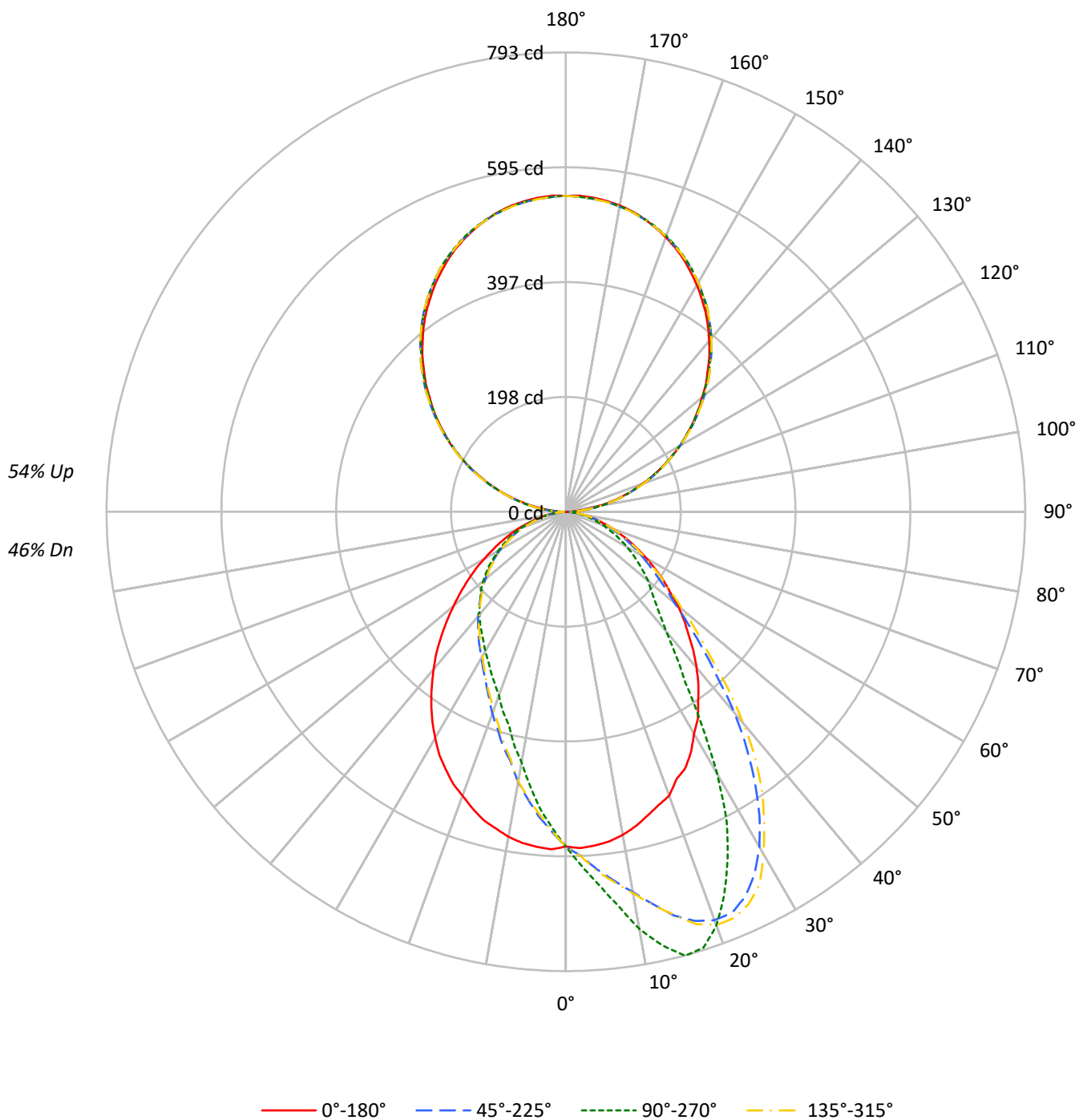
Lumens per Lamp: N/A  
Luminaire Lumens: 2801.0 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.23  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 4' x H: 0.1')  
CIE Type: General Diffuse

Input Watts (W): 26.2  
Input Voltage (V):  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P1029363

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### Luminous Intensity Polar Plot



TEST NUMBER: P1029363

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 20 |    |    |    |    | 20 |    |    |    |    | 20 |    |    |    |    | 20 |
| RC  | 80  |     |     |     | 70 |    |    |    |    | 50 |    |    |    |    | 30 |    |    |    |    | 10 |
| RW  | 70  | 50  | 30  | 10  | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| RCR |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
| 0   | 106 | 106 | 106 | 106 | 97 | 97 | 97 | 97 | 81 | 81 | 81 | 66 | 66 | 66 | 52 | 52 | 52 |    |    | 46 |
| 1   | 97  | 93  | 89  | 86  | 89 | 86 | 82 | 80 | 72 | 69 | 67 | 59 | 57 | 56 | 47 | 46 | 45 |    |    | 39 |
| 2   | 89  | 82  | 76  | 71  | 81 | 75 | 70 | 66 | 63 | 60 | 56 | 52 | 49 | 47 | 42 | 40 | 38 |    |    | 34 |
| 3   | 81  | 72  | 65  | 60  | 74 | 67 | 61 | 56 | 56 | 52 | 48 | 46 | 43 | 40 | 37 | 35 | 33 |    |    | 29 |
| 4   | 75  | 64  | 57  | 51  | 68 | 59 | 53 | 48 | 50 | 45 | 41 | 42 | 38 | 35 | 34 | 31 | 29 |    |    | 25 |
| 5   | 69  | 57  | 50  | 44  | 63 | 53 | 46 | 41 | 45 | 40 | 36 | 38 | 34 | 31 | 30 | 28 | 26 |    |    | 22 |
| 6   | 63  | 52  | 44  | 38  | 58 | 48 | 41 | 36 | 41 | 35 | 31 | 34 | 30 | 27 | 28 | 25 | 23 |    |    | 20 |
| 7   | 59  | 47  | 39  | 34  | 54 | 43 | 37 | 32 | 37 | 32 | 28 | 31 | 27 | 24 | 26 | 23 | 20 |    |    | 18 |
| 8   | 54  | 43  | 35  | 30  | 50 | 40 | 33 | 28 | 34 | 29 | 25 | 29 | 25 | 22 | 24 | 21 | 18 |    |    | 16 |
| 9   | 51  | 39  | 32  | 27  | 47 | 36 | 30 | 25 | 31 | 26 | 22 | 26 | 22 | 19 | 22 | 19 | 17 |    |    | 15 |
| 10  | 47  | 36  | 29  | 24  | 44 | 33 | 27 | 23 | 29 | 24 | 20 | 24 | 20 | 18 | 20 | 17 | 15 |    |    | 13 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°   | 90°   | 180° | 270° |
|-----|------|-------|------|------|
| 0°  | 9148 | 9148  | 9148 | 9148 |
| 5°  | 9169 | 9753  | 9205 | 7760 |
| 10° | 9062 | 10647 | 9120 | 6398 |
| 15° | 8843 | 11230 | 8966 | 5389 |
| 20° | 8706 | 10545 | 8706 | 4684 |
| 25° | 8428 | 9060  | 8466 | 4189 |
| 30° | 7971 | 7121  | 8124 | 3794 |
| 35° | 7566 | 4924  | 7693 | 3471 |
| 40° | 7102 | 3717  | 7183 | 3214 |
| 45° | 6528 | 3056  | 6635 | 2936 |
| 50° | 6033 | 2681  | 6043 | 2688 |
| 55° | 5468 | 2286  | 5502 | 2418 |
| 60° | 4867 | 1908  | 4934 | 2111 |
| 65° | 4326 | 1552  | 4405 | 1802 |
| 70° | 3789 | 1217  | 3885 | 1454 |
| 75° | 3183 | 884   | 3306 | 1055 |
| 80° | 2483 | 561   | 2659 | 626  |
| 85° | 1624 | 282   | 1752 | 209  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 157.5°

Vertical Angle: 45°

Luminance: 9457 cd/sqm

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 55.0   | 2.0       |
| 10°-20°   | 160.2  | 5.7       |
| 20°-30°   | 232.5  | 8.3       |
| 30°-40°   | 245.1  | 8.8       |
| 40°-50°   | 216.9  | 7.7       |
| 50°-60°   | 173.2  | 6.2       |
| 60°-70°   | 117.6  | 4.2       |
| 70°-80°   | 60.2   | 2.1       |
| 80°-90°   | 15.8   | 0.6       |
| 90°-100°  | 33.7   | 1.2       |
| 100°-110° | 107.2  | 3.8       |
| 110°-120° | 183.5  | 6.6       |
| 120°-130° | 241.3  | 8.6       |
| 130°-140° | 270.9  | 9.7       |
| 140°-150° | 265.6  | 9.5       |
| 150°-160° | 222.8  | 8.0       |
| 160°-170° | 147.8  | 5.3       |
| 170°-180° | 51.6   | 1.8       |
| 0°-30°    | 447.8  | 16.0      |
| 0°-40°    | 692.9  | 24.7      |
| 0°-60°    | 1083.0 | 38.7      |
| 0°-90°    | 1276.6 | 45.6      |
| 90°-120°  | 324.4  | 11.6      |
| 90°-150°  | 1102.2 | 39.4      |
| 90°-180°  | 1524.0 | 54.4      |
| 0°-180°   | 2801.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 90° | 180° | 270° | 360° | Flux |
|------|-----|-----|------|------|------|------|
| 0°   | 578 | 578 | 578  | 578  | 578  |      |
| 5°   | 578 | 645 | 581  | 514  | 578  | 55   |
| 15°  | 543 | 793 | 551  | 381  | 543  | 153  |
| 25°  | 488 | 661 | 490  | 306  | 488  | 223  |
| 35°  | 398 | 360 | 405  | 254  | 398  | 249  |
| 45°  | 299 | 217 | 304  | 208  | 299  | 232  |
| 55°  | 205 | 152 | 206  | 161  | 205  | 183  |
| 65°  | 122 | 94  | 124  | 109  | 122  | 121  |
| 75°  | 57  | 46  | 59   | 55   | 57   | 61   |
| 85°  | 12  | 12  | 12   | 9    | 12   | 13   |
| 90°  | 0   | 16  | 0    | 16   | 0    | 2    |
| 95°  | 24  | 28  | 24   | 28   | 24   | 27   |
| 105° | 99  | 102 | 99   | 102  | 99   | 104  |
| 115° | 184 | 184 | 184  | 184  | 184  | 182  |
| 125° | 268 | 269 | 268  | 269  | 268  | 239  |
| 135° | 346 | 351 | 346  | 351  | 346  | 268  |
| 145° | 421 | 425 | 421  | 425  | 421  | 263  |
| 155° | 481 | 484 | 481  | 484  | 481  | 221  |
| 165° | 523 | 524 | 523  | 524  | 523  | 148  |
| 175° | 544 | 542 | 544  | 542  | 544  | 52   |
| 180° | 545 | 545 | 545  | 545  | 545  |      |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 581.0 | 582.3 | 584.6 | 585.0 | 589.4 | 593.0 | 597.0 | 597.0 | 598.3 | 597.9 | 594.3 |
| 5°     | 578.3 | 582.3 | 588.1 | 593.0 | 601.0 | 604.5 | 609.9 | 613.9 | 617.4 | 620.1 | 619.6 |
| 7.5°   | 573.9 | 581.0 | 589.4 | 598.8 | 609.4 | 615.6 | 623.2 | 630.3 | 635.2 | 639.6 | 642.7 |
| 10°    | 566.3 | 578.3 | 589.9 | 602.3 | 616.1 | 624.5 | 633.4 | 642.7 | 650.3 | 658.7 | 666.7 |
| 12.5°  | 556.1 | 573.4 | 587.7 | 604.1 | 621.0 | 630.3 | 644.5 | 651.6 | 666.3 | 687.6 | 693.4 |
| 15°    | 543.2 | 566.8 | 580.1 | 601.0 | 623.2 | 630.7 | 650.3 | 661.8 | 692.0 | 705.4 | 721.4 |
| 17.5°  | 531.2 | 557.5 | 575.2 | 599.2 | 621.0 | 635.6 | 654.7 | 678.3 | 703.6 | 722.7 | 740.5 |
| 20°    | 521.5 | 546.8 | 568.1 | 594.8 | 622.3 | 641.0 | 661.0 | 689.4 | 716.9 | 736.5 | 750.2 |
| 22.5°  | 499.3 | 531.7 | 556.6 | 586.3 | 619.6 | 645.4 | 664.5 | 695.6 | 725.4 | 737.4 | 749.3 |
| 25°    | 488.2 | 516.1 | 545.0 | 578.8 | 617.9 | 648.5 | 665.0 | 699.6 | 725.8 | 730.2 | 732.9 |
| 27.5°  | 467.7 | 499.3 | 533.0 | 571.7 | 617.4 | 643.2 | 664.1 | 695.6 | 716.5 | 713.4 | 705.4 |
| 30°    | 442.4 | 481.1 | 518.4 | 560.1 | 611.2 | 639.2 | 658.7 | 687.6 | 698.3 | 682.3 | 668.1 |
| 32.5°  | 423.8 | 460.2 | 501.5 | 549.9 | 604.1 | 630.7 | 649.8 | 672.5 | 674.7 | 645.9 | 621.9 |
| 35°    | 398.4 | 438.9 | 485.5 | 536.6 | 592.1 | 616.1 | 633.9 | 647.6 | 637.0 | 596.5 | 568.1 |
| 37.5°  | 375.8 | 415.8 | 465.5 | 517.5 | 575.7 | 599.2 | 613.4 | 615.6 | 589.4 | 553.9 | 512.1 |
| 40°    | 350.9 | 392.2 | 444.2 | 498.8 | 557.5 | 577.9 | 586.8 | 580.1 | 542.4 | 501.0 | 452.6 |
| 42.5°  | 326.0 | 366.9 | 422.9 | 478.8 | 534.4 | 551.7 | 555.2 | 537.0 | 490.8 | 442.4 | 386.4 |
| 45°    | 298.9 | 341.6 | 397.5 | 454.0 | 507.7 | 517.5 | 517.9 | 491.7 | 437.1 | 386.4 | 334.5 |
| 47.5°  | 276.7 | 316.3 | 371.8 | 428.2 | 473.5 | 480.2 | 477.5 | 447.3 | 387.8 | 330.9 | 285.6 |
| 50°    | 252.3 | 290.1 | 345.1 | 400.7 | 439.3 | 441.1 | 434.4 | 391.3 | 333.1 | 281.2 | 245.2 |
| 52.5°  | 226.1 | 264.3 | 314.9 | 368.2 | 402.9 | 400.2 | 387.3 | 341.1 | 286.5 | 243.4 | 215.9 |
| 55°    | 205.2 | 239.0 | 286.5 | 338.5 | 362.9 | 355.4 | 341.1 | 294.1 | 251.0 | 214.5 | 190.6 |
| 57.5°  | 182.1 | 211.9 | 258.5 | 303.8 | 318.0 | 310.9 | 296.7 | 252.7 | 212.8 | 185.2 | 169.2 |
| 60°    | 160.4 | 187.4 | 228.3 | 266.1 | 277.2 | 269.6 | 253.2 | 213.7 | 184.8 | 161.7 | 149.7 |
| 62.5°  | 140.4 | 163.9 | 198.1 | 232.8 | 237.2 | 229.6 | 215.4 | 183.4 | 158.6 | 140.4 | 131.5 |
| 65°    | 121.7 | 143.9 | 171.5 | 197.7 | 201.7 | 193.7 | 179.0 | 155.9 | 135.0 | 123.5 | 115.0 |
| 67.5°  | 103.5 | 121.3 | 145.7 | 164.8 | 167.0 | 159.5 | 147.5 | 128.8 | 115.9 | 103.5 | 97.3  |
| 70°    | 87.5  | 100.8 | 119.9 | 135.5 | 136.4 | 129.3 | 123.0 | 106.2 | 96.4  | 87.5  | 82.6  |
| 72.5°  | 72.0  | 81.3  | 95.9  | 107.5 | 107.9 | 103.5 | 97.7  | 87.1  | 78.6  | 72.4  | 67.5  |
| 75°    | 56.9  | 64.9  | 73.7  | 84.0  | 83.5  | 80.0  | 75.5  | 68.8  | 61.7  | 57.7  | 55.5  |
| 77.5°  | 43.5  | 48.4  | 55.5  | 62.2  | 62.2  | 60.4  | 57.7  | 52.9  | 48.4  | 44.4  | 42.2  |
| 80°    | 31.1  | 34.2  | 40.0  | 42.2  | 43.1  | 42.6  | 40.4  | 36.9  | 35.1  | 32.0  | 31.1  |
| 82.5°  | 20.0  | 22.2  | 24.9  | 27.1  | 28.4  | 27.5  | 27.1  | 25.3  | 22.7  | 21.8  | 20.9  |
| 85°    | 11.5  | 12.4  | 13.8  | 15.1  | 15.5  | 15.1  | 16.0  | 14.7  | 13.3  | 13.3  | 12.9  |
| 87.5°  | 4.9   | 5.3   | 6.2   | 6.2   | 6.7   | 6.7   | 6.2   | 6.7   | 6.7   | 6.2   | 5.8   |
| 90°    | 0.5   | 1.7   | 2.9   | 4.2   | 5.4   | 6.0   | 7.1   | 9.4   | 11.6  | 13.9  | 16.1  |
| 92.5°  | 10.1  | 10.9  | 11.7  | 12.6  | 13.4  | 13.8  | 13.9  | 14.0  | 14.1  | 14.2  | 14.3  |
| 95°    | 23.9  | 24.9  | 25.9  | 27.0  | 28.0  | 28.5  | 28.6  | 28.8  | 29.0  | 29.2  | 29.4  |
| 97.5°  | 40.0  | 40.9  | 41.9  | 42.8  | 43.7  | 44.2  | 44.4  | 44.8  | 45.2  | 45.6  | 46.0  |
| 100°   | 58.4  | 59.2  | 60.0  | 60.9  | 61.7  | 62.1  | 62.3  | 62.6  | 62.9  | 63.2  | 63.5  |
| 102.5° | 77.8  | 78.4  | 79.0  | 79.6  | 80.2  | 80.5  | 80.7  | 81.1  | 81.6  | 82.0  | 82.4  |
| 105°   | 98.9  | 99.2  | 99.5  | 99.8  | 100.1 | 100.3 | 100.4 | 100.6 | 100.8 | 101.0 | 101.2 |
| 107.5° | 120.1 | 120.5 | 120.9 | 121.3 | 121.7 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 |
| 110°   | 140.3 | 140.9 | 141.5 | 142.2 | 142.8 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 25°   | 30°   | 35°   | 40°   | 45°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 162.4 | 163.0 | 163.6 | 164.3 | 164.9 | 165.2 | 165.1 | 165.0 | 164.9 | 164.8 | 164.7 |
| 115°   | 184.1 | 184.7 | 185.3 | 185.9 | 186.5 | 186.8 | 186.7 | 186.5 | 186.3 | 186.1 | 185.9 |
| 117.5° | 205.7 | 206.5 | 207.3 | 208.2 | 209.0 | 209.4 | 209.1 | 208.6 | 208.1 | 207.6 | 207.1 |
| 120°   | 227.3 | 228.1 | 228.9 | 229.8 | 230.6 | 231.0 | 230.6 | 229.8 | 228.9 | 228.1 | 227.3 |
| 122.5° | 247.1 | 248.1 | 249.1 | 250.2 | 251.2 | 251.7 | 251.4 | 250.9 | 250.4 | 249.9 | 249.4 |
| 125°   | 267.8 | 268.7 | 269.6 | 270.5 | 271.4 | 271.9 | 271.8 | 271.5 | 271.2 | 270.9 | 270.6 |
| 127.5° | 288.0 | 289.1 | 290.3 | 291.4 | 292.5 | 293.1 | 292.9 | 292.5 | 292.1 | 291.7 | 291.3 |
| 130°   | 306.9 | 308.2 | 309.6 | 310.9 | 312.2 | 312.9 | 312.8 | 312.6 | 312.4 | 312.2 | 312.0 |
| 132.5° | 328.1 | 329.1 | 330.1 | 331.2 | 332.2 | 332.7 | 332.7 | 332.8 | 332.9 | 333.0 | 333.1 |
| 135°   | 346.5 | 347.6 | 348.7 | 349.8 | 350.9 | 351.5 | 351.6 | 351.8 | 352.1 | 352.3 | 352.5 |
| 137.5° | 366.7 | 367.6 | 368.6 | 369.5 | 370.4 | 370.9 | 371.0 | 371.2 | 371.4 | 371.6 | 371.8 |
| 140°   | 384.7 | 385.6 | 386.5 | 387.4 | 388.3 | 388.8 | 389.1 | 389.6 | 390.1 | 390.6 | 391.1 |
| 142.5° | 403.1 | 404.0 | 404.9 | 405.8 | 406.7 | 407.2 | 407.4 | 407.7 | 408.0 | 408.3 | 408.6 |
| 145°   | 420.6 | 421.3 | 422.0 | 422.7 | 423.4 | 423.8 | 424.1 | 424.7 | 425.3 | 425.9 | 426.5 |
| 147.5° | 436.2 | 437.1 | 438.1 | 439.0 | 439.9 | 440.4 | 440.6 | 441.0 | 441.4 | 441.8 | 442.2 |
| 150°   | 452.3 | 452.9 | 453.5 | 454.2 | 454.8 | 455.1 | 455.3 | 455.7 | 456.1 | 456.5 | 456.9 |
| 152.5° | 466.6 | 467.2 | 467.8 | 468.4 | 469.0 | 469.3 | 469.6 | 470.1 | 470.6 | 471.1 | 471.6 |
| 155°   | 480.8 | 481.1 | 481.4 | 481.7 | 482.0 | 482.2 | 482.4 | 482.7 | 483.0 | 483.3 | 483.6 |
| 157.5° | 493.3 | 493.5 | 493.7 | 493.9 | 494.1 | 494.2 | 494.3 | 494.5 | 494.7 | 494.9 | 495.1 |
| 160°   | 504.3 | 504.5 | 504.7 | 504.9 | 505.1 | 505.2 | 505.3 | 505.4 | 505.5 | 505.6 | 505.7 |
| 162.5° | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.5 | 514.6 | 514.7 | 514.8 | 514.9 |
| 165°   | 523.2 | 523.1 | 523.0 | 522.9 | 522.8 | 522.7 | 522.7 | 522.7 | 522.7 | 522.7 | 522.7 |
| 167.5° | 531.0 | 530.7 | 530.4 | 530.1 | 529.8 | 529.6 | 529.6 | 529.6 | 529.6 | 529.6 | 529.6 |
| 170°   | 537.0 | 536.7 | 536.4 | 536.1 | 535.8 | 535.6 | 535.5 | 535.4 | 535.3 | 535.2 | 535.1 |
| 172.5° | 541.1 | 540.8 | 540.5 | 540.2 | 539.9 | 539.7 | 539.7 | 539.6 | 539.5 | 539.4 | 539.3 |
| 175°   | 544.3 | 544.0 | 543.7 | 543.4 | 543.1 | 543.0 | 542.9 | 542.7 | 542.4 | 542.2 | 542.0 |
| 177.5° | 546.2 | 545.9 | 545.6 | 545.3 | 545.0 | 544.8 | 544.7 | 544.5 | 544.3 | 544.1 | 543.9 |
| 180°   | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 600.5 | 601.0 | 601.9 | 606.3 | 608.5 | 609.0 | 607.2 | 611.2 | 612.5 | 611.2 | 610.3 |
| 5°     | 629.0 | 631.6 | 637.0 | 642.7 | 642.3 | 642.7 | 645.4 | 648.1 | 649.0 | 645.4 | 646.7 |
| 7.5°   | 653.8 | 659.2 | 665.0 | 673.8 | 673.8 | 678.3 | 680.1 | 682.3 | 687.6 | 684.9 | 684.1 |
| 10°    | 682.3 | 689.4 | 700.0 | 714.3 | 714.7 | 719.1 | 723.6 | 730.7 | 732.9 | 731.1 | 732.0 |
| 12.5°  | 717.8 | 731.6 | 732.5 | 748.0 | 755.1 | 756.0 | 763.1 | 761.8 | 766.2 | 766.2 | 773.8 |
| 15°    | 733.4 | 754.7 | 766.7 | 781.8 | 786.2 | 780.9 | 786.7 | 792.9 | 793.3 | 793.3 | 792.9 |
| 17.5°  | 761.3 | 769.8 | 781.8 | 789.8 | 791.5 | 791.5 | 792.0 | 794.7 | 792.9 | 789.3 | 792.0 |
| 20°    | 767.1 | 770.7 | 775.1 | 774.2 | 775.1 | 770.7 | 766.2 | 761.8 | 762.2 | 760.0 | 766.7 |
| 22.5°  | 756.5 | 755.6 | 745.3 | 738.7 | 738.7 | 729.8 | 721.4 | 717.4 | 713.4 | 714.7 | 716.9 |
| 25°    | 729.8 | 716.0 | 703.6 | 693.8 | 691.6 | 677.4 | 665.8 | 662.3 | 655.6 | 661.0 | 661.8 |
| 27.5°  | 687.2 | 671.6 | 651.6 | 643.2 | 631.6 | 625.9 | 617.9 | 607.2 | 593.4 | 601.4 | 600.1 |
| 30°    | 641.4 | 618.3 | 601.9 | 581.4 | 563.2 | 561.9 | 546.8 | 529.0 | 521.9 | 521.9 | 525.9 |
| 32.5°  | 590.3 | 559.7 | 535.7 | 506.8 | 489.1 | 481.5 | 463.3 | 445.5 | 449.5 | 436.2 | 441.1 |
| 35°    | 530.8 | 490.4 | 460.2 | 432.2 | 418.9 | 410.0 | 386.4 | 376.7 | 366.0 | 359.8 | 371.3 |
| 37.5°  | 473.9 | 427.3 | 388.7 | 358.0 | 353.1 | 337.1 | 321.1 | 314.9 | 308.7 | 311.4 | 310.9 |
| 40°    | 404.7 | 363.3 | 328.7 | 304.7 | 296.3 | 288.7 | 278.1 | 270.5 | 266.5 | 268.7 | 269.2 |
| 42.5°  | 342.0 | 307.4 | 281.6 | 264.7 | 257.6 | 252.3 | 247.0 | 240.8 | 239.4 | 239.4 | 241.2 |
| 45°    | 293.6 | 265.2 | 247.9 | 234.1 | 230.1 | 226.1 | 222.1 | 219.4 | 218.5 | 216.8 | 218.1 |
| 47.5°  | 255.0 | 232.3 | 221.7 | 211.4 | 207.0 | 206.1 | 202.6 | 201.2 | 199.4 | 199.0 | 199.4 |
| 50°    | 222.5 | 208.3 | 198.6 | 192.8 | 189.7 | 188.3 | 186.6 | 183.9 | 183.0 | 185.2 | 184.3 |
| 52.5°  | 199.9 | 186.6 | 181.2 | 175.5 | 173.7 | 171.9 | 169.2 | 169.7 | 169.2 | 168.3 | 168.3 |
| 55°    | 177.2 | 168.8 | 163.5 | 159.0 | 158.6 | 156.8 | 154.6 | 153.7 | 153.2 | 152.4 | 153.7 |
| 57.5°  | 159.0 | 152.4 | 147.5 | 143.5 | 141.7 | 141.7 | 139.5 | 137.7 | 137.7 | 137.3 | 137.7 |
| 60°    | 140.8 | 134.1 | 131.0 | 127.0 | 125.7 | 125.3 | 123.9 | 123.0 | 121.7 | 121.7 | 121.7 |
| 62.5°  | 123.9 | 118.6 | 115.0 | 111.5 | 111.9 | 109.7 | 107.9 | 107.0 | 107.0 | 107.5 | 107.5 |
| 65°    | 107.9 | 104.4 | 99.9  | 96.8  | 95.9  | 95.5  | 94.6  | 94.2  | 92.8  | 93.7  | 93.7  |
| 67.5°  | 93.3  | 88.4  | 85.7  | 84.4  | 83.1  | 82.6  | 81.7  | 80.8  | 80.4  | 80.0  | 80.8  |
| 70°    | 78.6  | 74.6  | 72.4  | 71.5  | 70.2  | 69.7  | 69.3  | 68.0  | 68.4  | 68.8  | 69.3  |
| 72.5°  | 65.3  | 61.7  | 61.3  | 58.6  | 58.6  | 58.6  | 56.9  | 57.7  | 57.3  | 56.4  | 57.3  |
| 75°    | 51.5  | 49.7  | 48.9  | 47.5  | 48.0  | 47.5  | 47.1  | 45.8  | 45.8  | 46.2  | 46.6  |
| 77.5°  | 40.9  | 39.1  | 38.6  | 37.3  | 36.4  | 37.3  | 36.4  | 36.0  | 36.0  | 36.4  | 36.4  |
| 80°    | 30.2  | 29.3  | 28.0  | 28.0  | 28.0  | 27.5  | 27.5  | 27.5  | 27.1  | 26.7  | 27.1  |
| 82.5°  | 20.0  | 20.0  | 19.5  | 19.1  | 19.5  | 18.7  | 19.1  | 19.1  | 19.1  | 19.1  | 19.1  |
| 85°    | 12.9  | 12.4  | 12.4  | 12.0  | 12.0  | 12.0  | 12.4  | 11.5  | 11.5  | 12.0  | 12.0  |
| 87.5°  | 5.8   | 5.8   | 5.8   | 6.2   | 5.8   | 5.8   | 5.8   | 6.2   | 5.8   | 5.8   | 5.8   |
| 90°    | 15.9  | 15.7  | 15.5  | 15.3  | 15.2  | 15.2  | 15.3  | 15.4  | 15.5  | 15.6  | 15.5  |
| 92.5°  | 14.4  | 14.5  | 14.6  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  |
| 95°    | 29.4  | 29.4  | 29.4  | 29.4  | 29.4  | 29.3  | 29.1  | 28.9  | 28.7  | 28.5  | 28.7  |
| 97.5°  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  |
| 100°   | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.4  | 63.3  | 63.2  | 63.1  | 63.0  | 63.1  |
| 102.5° | 82.5  | 82.6  | 82.7  | 82.8  | 82.8  | 82.8  | 82.7  | 82.6  | 82.5  | 82.4  | 82.5  |
| 105°   | 101.4 | 101.6 | 101.9 | 102.1 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 |
| 107.5° | 122.0 | 122.1 | 122.2 | 122.3 | 122.4 | 122.1 | 121.6 | 121.1 | 120.6 | 120.1 | 120.6 |
| 110°   | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 142.9 | 142.6 | 142.3 | 142.0 | 141.7 | 142.0 |



TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 50°   | 55°   | 60°   | 65°   | 67.5° | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 164.4 | 164.1 | 163.8 | 163.5 | 163.3 | 163.2 | 163.0 | 162.8 | 162.6 | 162.4 | 162.6 |
| 115°   | 185.8 | 185.7 | 185.6 | 185.5 | 185.4 | 185.3 | 185.0 | 184.7 | 184.4 | 184.1 | 184.4 |
| 117.5° | 206.8 | 206.5 | 206.2 | 205.9 | 205.7 | 205.5 | 205.2 | 204.9 | 204.6 | 204.3 | 204.6 |
| 120°   | 227.3 | 227.3 | 227.3 | 227.3 | 227.3 | 227.1 | 226.8 | 226.5 | 226.2 | 225.9 | 226.2 |
| 122.5° | 249.1 | 248.8 | 248.5 | 248.2 | 248.0 | 247.9 | 247.7 | 247.5 | 247.3 | 247.1 | 247.3 |
| 125°   | 270.3 | 270.0 | 269.7 | 269.4 | 269.2 | 269.1 | 269.0 | 268.9 | 268.8 | 268.7 | 268.8 |
| 127.5° | 290.9 | 290.5 | 290.0 | 289.6 | 289.4 | 289.2 | 288.9 | 288.6 | 288.3 | 288.0 | 288.3 |
| 130°   | 311.8 | 311.6 | 311.4 | 311.2 | 311.1 | 310.9 | 310.5 | 310.0 | 309.6 | 309.2 | 309.6 |
| 132.5° | 332.6 | 332.1 | 331.6 | 331.1 | 330.8 | 330.7 | 330.4 | 330.1 | 329.8 | 329.5 | 329.8 |
| 135°   | 352.4 | 352.3 | 352.2 | 352.1 | 352.0 | 351.8 | 351.5 | 351.2 | 350.9 | 350.6 | 350.9 |
| 137.5° | 371.7 | 371.6 | 371.5 | 371.4 | 371.3 | 371.1 | 370.7 | 370.3 | 369.9 | 369.5 | 369.9 |
| 140°   | 391.1 | 391.1 | 391.1 | 391.1 | 391.1 | 390.9 | 390.5 | 390.1 | 389.7 | 389.3 | 389.7 |
| 142.5° | 408.7 | 408.8 | 408.9 | 409.0 | 409.1 | 408.9 | 408.5 | 408.0 | 407.6 | 407.2 | 407.6 |
| 145°   | 426.6 | 426.7 | 426.8 | 426.9 | 427.0 | 426.8 | 426.4 | 426.0 | 425.6 | 425.2 | 425.6 |
| 147.5° | 442.4 | 442.6 | 442.8 | 443.0 | 443.1 | 442.9 | 442.5 | 442.1 | 441.7 | 441.3 | 441.7 |
| 150°   | 457.2 | 457.5 | 457.8 | 458.1 | 458.3 | 458.1 | 457.8 | 457.5 | 457.2 | 456.9 | 457.2 |
| 152.5° | 472.0 | 472.4 | 472.9 | 473.3 | 473.5 | 473.3 | 472.9 | 472.4 | 472.0 | 471.6 | 472.0 |
| 155°   | 484.1 | 484.6 | 485.1 | 485.6 | 485.9 | 485.7 | 485.4 | 485.1 | 484.8 | 484.5 | 484.8 |
| 157.5° | 495.8 | 496.5 | 497.2 | 497.9 | 498.3 | 498.0 | 497.5 | 497.0 | 496.5 | 496.0 | 496.5 |
| 160°   | 506.3 | 506.9 | 507.6 | 508.2 | 508.5 | 508.3 | 507.9 | 507.4 | 507.0 | 506.6 | 507.0 |
| 162.5° | 515.6 | 516.3 | 517.0 | 517.7 | 518.1 | 517.8 | 517.3 | 516.8 | 516.3 | 515.8 | 516.3 |
| 165°   | 523.4 | 524.1 | 524.8 | 525.5 | 525.9 | 525.6 | 525.1 | 524.6 | 524.1 | 523.6 | 524.1 |
| 167.5° | 530.3 | 531.0 | 531.7 | 532.4 | 532.8 | 532.5 | 532.0 | 531.5 | 531.0 | 530.5 | 531.0 |
| 170°   | 535.8 | 536.6 | 537.3 | 538.0 | 538.4 | 538.1 | 537.5 | 536.8 | 536.2 | 535.6 | 536.2 |
| 172.5° | 540.0 | 540.7 | 541.4 | 542.1 | 542.5 | 542.2 | 541.6 | 540.9 | 540.3 | 539.7 | 540.3 |
| 175°   | 542.7 | 543.5 | 544.2 | 544.9 | 545.3 | 545.0 | 544.4 | 543.7 | 543.1 | 542.5 | 543.1 |
| 177.5° | 544.5 | 545.1 | 545.7 | 546.3 | 546.6 | 546.3 | 545.7 | 545.1 | 544.5 | 543.9 | 544.5 |
| 180°   | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 612.5 | 609.4 | 606.8 | 607.2  | 609.4 | 607.7 | 603.2 | 597.4 | 595.2 | 592.5 | 595.2 |
| 5°     | 649.4 | 646.7 | 641.4 | 641.9  | 640.5 | 638.7 | 631.6 | 622.8 | 622.8 | 615.6 | 614.8 |
| 7.5°   | 685.8 | 681.8 | 678.3 | 677.4  | 672.5 | 668.9 | 662.7 | 650.3 | 645.4 | 637.0 | 632.1 |
| 10°    | 726.7 | 723.6 | 719.6 | 714.7  | 712.0 | 705.8 | 695.6 | 677.4 | 668.5 | 657.0 | 648.5 |
| 12.5°  | 768.0 | 767.6 | 758.7 | 748.9  | 748.5 | 738.7 | 731.6 | 707.1 | 695.2 | 679.6 | 659.6 |
| 15°    | 794.2 | 792.0 | 787.1 | 782.2  | 783.5 | 772.9 | 756.9 | 728.0 | 720.0 | 701.4 | 680.1 |
| 17.5°  | 793.8 | 793.8 | 792.4 | 791.5  | 790.2 | 787.1 | 778.2 | 759.1 | 746.2 | 722.7 | 702.7 |
| 20°    | 768.4 | 774.2 | 775.6 | 775.1  | 779.6 | 781.8 | 781.3 | 769.3 | 759.1 | 738.2 | 717.8 |
| 22.5°  | 717.8 | 731.1 | 736.9 | 740.5  | 749.8 | 754.7 | 766.2 | 761.8 | 759.1 | 743.6 | 726.2 |
| 25°    | 670.7 | 675.2 | 692.5 | 693.4  | 706.3 | 718.3 | 729.8 | 737.4 | 747.1 | 741.4 | 726.7 |
| 27.5°  | 609.9 | 620.1 | 632.5 | 641.9  | 644.5 | 668.9 | 688.0 | 702.3 | 724.5 | 726.2 | 721.4 |
| 30°    | 541.0 | 545.9 | 566.3 | 578.8  | 593.0 | 610.8 | 638.3 | 662.7 | 682.7 | 700.9 | 707.1 |
| 32.5°  | 457.1 | 477.1 | 489.1 | 504.2  | 516.6 | 548.1 | 581.9 | 613.4 | 636.5 | 667.2 | 680.5 |
| 35°    | 380.2 | 395.8 | 416.2 | 422.4  | 445.1 | 471.7 | 515.7 | 556.1 | 591.2 | 622.3 | 649.4 |
| 37.5°  | 316.7 | 329.1 | 350.9 | 360.7  | 374.0 | 408.2 | 445.1 | 495.3 | 537.5 | 575.7 | 609.4 |
| 40°    | 273.2 | 282.5 | 298.9 | 302.0  | 313.2 | 344.2 | 374.0 | 421.1 | 477.1 | 528.6 | 565.5 |
| 42.5°  | 243.4 | 247.9 | 259.0 | 263.0  | 270.1 | 290.9 | 317.6 | 362.0 | 414.0 | 467.3 | 519.3 |
| 45°    | 222.1 | 225.2 | 231.9 | 235.4  | 244.3 | 253.6 | 275.4 | 310.9 | 351.8 | 405.5 | 461.5 |
| 47.5°  | 203.0 | 207.0 | 209.7 | 211.9  | 216.8 | 227.0 | 241.2 | 267.4 | 306.5 | 355.8 | 410.0 |
| 50°    | 187.0 | 188.3 | 193.2 | 193.7  | 196.8 | 203.4 | 216.8 | 232.8 | 263.8 | 303.8 | 356.2 |
| 52.5°  | 171.0 | 172.3 | 175.5 | 178.6  | 179.9 | 185.2 | 194.1 | 207.4 | 230.5 | 262.1 | 308.7 |
| 55°    | 155.0 | 156.8 | 159.9 | 162.1  | 163.5 | 167.9 | 173.2 | 186.1 | 204.3 | 226.5 | 264.7 |
| 57.5°  | 139.0 | 143.0 | 143.9 | 145.2  | 147.5 | 152.4 | 157.2 | 164.8 | 179.0 | 199.4 | 227.4 |
| 60°    | 123.9 | 125.3 | 128.4 | 129.7  | 131.9 | 134.6 | 140.8 | 146.6 | 156.8 | 172.8 | 198.1 |
| 62.5°  | 108.4 | 111.5 | 112.8 | 114.2  | 115.9 | 119.0 | 123.0 | 129.3 | 138.1 | 151.0 | 171.0 |
| 65°    | 95.1  | 95.5  | 98.2  | 99.9   | 101.7 | 103.9 | 107.9 | 113.7 | 119.0 | 131.0 | 145.7 |
| 67.5°  | 82.2  | 83.1  | 84.0  | 85.7   | 87.9  | 90.2  | 93.7  | 96.8  | 103.5 | 111.5 | 123.0 |
| 70°    | 69.7  | 69.7  | 72.0  | 73.3   | 72.8  | 75.5  | 78.2  | 81.7  | 86.6  | 94.2  | 103.5 |
| 72.5°  | 58.6  | 58.2  | 60.0  | 60.4   | 61.3  | 63.1  | 64.9  | 68.4  | 71.1  | 76.8  | 84.0  |
| 75°    | 46.6  | 47.5  | 48.4  | 48.4   | 49.7  | 51.1  | 52.9  | 54.6  | 57.7  | 61.3  | 66.6  |
| 77.5°  | 36.9  | 36.9  | 37.8  | 38.2   | 39.5  | 39.1  | 40.9  | 42.6  | 44.9  | 48.0  | 52.0  |
| 80°    | 27.1  | 28.0  | 28.0  | 28.0   | 28.4  | 28.9  | 30.6  | 32.0  | 33.3  | 35.5  | 37.3  |
| 82.5°  | 19.1  | 19.1  | 20.0  | 20.0   | 20.0  | 20.9  | 20.9  | 21.3  | 22.2  | 23.5  | 24.9  |
| 85°    | 12.0  | 12.0  | 12.0  | 12.4   | 12.0  | 12.4  | 13.3  | 12.9  | 13.3  | 14.2  | 14.2  |
| 87.5°  | 5.8   | 5.8   | 5.8   | 5.8    | 5.8   | 6.2   | 5.8   | 6.2   | 6.7   | 6.7   | 6.7   |
| 90°    | 15.4  | 15.3  | 15.2  | 15.2   | 15.3  | 15.5  | 15.7  | 15.9  | 16.1  | 13.9  | 11.6  |
| 92.5°  | 14.7  | 14.7  | 14.7  | 14.7   | 14.7  | 14.6  | 14.5  | 14.4  | 14.3  | 14.2  | 14.1  |
| 95°    | 28.9  | 29.1  | 29.3  | 29.4   | 29.4  | 29.4  | 29.4  | 29.4  | 29.4  | 29.2  | 29.0  |
| 97.5°  | 46.0  | 46.0  | 46.0  | 46.0   | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 45.6  | 45.2  |
| 100°   | 63.2  | 63.3  | 63.4  | 63.5   | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.2  | 62.9  |
| 102.5° | 82.6  | 82.7  | 82.8  | 82.8   | 82.8  | 82.7  | 82.6  | 82.5  | 82.4  | 82.0  | 81.6  |
| 105°   | 102.2 | 102.2 | 102.2 | 102.2  | 102.1 | 101.9 | 101.6 | 101.4 | 101.2 | 101.0 | 100.8 |
| 107.5° | 121.1 | 121.6 | 122.1 | 122.4  | 122.3 | 122.2 | 122.1 | 122.0 | 121.9 | 121.9 | 121.9 |
| 110°   | 142.3 | 142.6 | 142.9 | 143.1  | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 162.8 | 163.0 | 163.2 | 163.3  | 163.5 | 163.8 | 164.1 | 164.4 | 164.7 | 164.8 | 164.9 |
| 115°   | 184.7 | 185.0 | 185.3 | 185.4  | 185.5 | 185.6 | 185.7 | 185.8 | 185.9 | 186.1 | 186.3 |
| 117.5° | 204.9 | 205.2 | 205.5 | 205.7  | 205.9 | 206.2 | 206.5 | 206.8 | 207.1 | 207.6 | 208.1 |
| 120°   | 226.5 | 226.8 | 227.1 | 227.3  | 227.3 | 227.3 | 227.3 | 227.3 | 227.3 | 228.1 | 228.9 |
| 122.5° | 247.5 | 247.7 | 247.9 | 248.0  | 248.2 | 248.5 | 248.8 | 249.1 | 249.4 | 249.9 | 250.4 |
| 125°   | 268.9 | 269.0 | 269.1 | 269.2  | 269.4 | 269.7 | 270.0 | 270.3 | 270.6 | 270.9 | 271.2 |
| 127.5° | 288.6 | 288.9 | 289.2 | 289.4  | 289.6 | 290.0 | 290.5 | 290.9 | 291.3 | 291.7 | 292.1 |
| 130°   | 310.0 | 310.5 | 310.9 | 311.1  | 311.2 | 311.4 | 311.6 | 311.8 | 312.0 | 312.2 | 312.4 |
| 132.5° | 330.1 | 330.4 | 330.7 | 330.8  | 331.1 | 331.6 | 332.1 | 332.6 | 333.1 | 333.0 | 332.9 |
| 135°   | 351.2 | 351.5 | 351.8 | 352.0  | 352.1 | 352.2 | 352.3 | 352.4 | 352.5 | 352.3 | 352.1 |
| 137.5° | 370.3 | 370.7 | 371.1 | 371.3  | 371.4 | 371.5 | 371.6 | 371.7 | 371.8 | 371.6 | 371.4 |
| 140°   | 390.1 | 390.5 | 390.9 | 391.1  | 391.1 | 391.1 | 391.1 | 391.1 | 391.1 | 390.6 | 390.1 |
| 142.5° | 408.0 | 408.5 | 408.9 | 409.1  | 409.0 | 408.9 | 408.8 | 408.7 | 408.6 | 408.3 | 408.0 |
| 145°   | 426.0 | 426.4 | 426.8 | 427.0  | 426.9 | 426.8 | 426.7 | 426.6 | 426.5 | 425.9 | 425.3 |
| 147.5° | 442.1 | 442.5 | 442.9 | 443.1  | 443.0 | 442.8 | 442.6 | 442.4 | 442.2 | 441.8 | 441.4 |
| 150°   | 457.5 | 457.8 | 458.1 | 458.3  | 458.1 | 457.8 | 457.5 | 457.2 | 456.9 | 456.5 | 456.1 |
| 152.5° | 472.4 | 472.9 | 473.3 | 473.5  | 473.3 | 472.9 | 472.4 | 472.0 | 471.6 | 471.1 | 470.6 |
| 155°   | 485.1 | 485.4 | 485.7 | 485.9  | 485.6 | 485.1 | 484.6 | 484.1 | 483.6 | 483.3 | 483.0 |
| 157.5° | 497.0 | 497.5 | 498.0 | 498.3  | 497.9 | 497.2 | 496.5 | 495.8 | 495.1 | 494.9 | 494.7 |
| 160°   | 507.4 | 507.9 | 508.3 | 508.5  | 508.2 | 507.6 | 506.9 | 506.3 | 505.7 | 505.6 | 505.5 |
| 162.5° | 516.8 | 517.3 | 517.8 | 518.1  | 517.7 | 517.0 | 516.3 | 515.6 | 514.9 | 514.8 | 514.7 |
| 165°   | 524.6 | 525.1 | 525.6 | 525.9  | 525.5 | 524.8 | 524.1 | 523.4 | 522.7 | 522.7 | 522.7 |
| 167.5° | 531.5 | 532.0 | 532.5 | 532.8  | 532.4 | 531.7 | 531.0 | 530.3 | 529.6 | 529.6 | 529.6 |
| 170°   | 536.8 | 537.5 | 538.1 | 538.4  | 538.0 | 537.3 | 536.6 | 535.8 | 535.1 | 535.2 | 535.3 |
| 172.5° | 540.9 | 541.6 | 542.2 | 542.5  | 542.1 | 541.4 | 540.7 | 540.0 | 539.3 | 539.4 | 539.5 |
| 175°   | 543.7 | 544.4 | 545.0 | 545.3  | 544.9 | 544.2 | 543.5 | 542.7 | 542.0 | 542.2 | 542.4 |
| 177.5° | 545.1 | 545.7 | 546.3 | 546.6  | 546.3 | 545.7 | 545.1 | 544.5 | 543.9 | 544.1 | 544.3 |
| 180°   | 545.3 | 545.3 | 545.3 | 545.3  | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 593.0 | 590.8 | 589.4  | 590.3 | 587.7 | 581.0 | 581.0 | 583.2 | 580.6 | 577.9 | 573.9 |
| 5°     | 609.4 | 605.0 | 602.3  | 601.9 | 595.7 | 585.0 | 582.8 | 580.6 | 574.8 | 568.6 | 561.9 |
| 7.5°   | 625.4 | 617.4 | 613.0  | 609.9 | 601.0 | 587.2 | 581.4 | 576.6 | 567.2 | 557.9 | 549.5 |
| 10°    | 638.7 | 627.2 | 621.9  | 617.0 | 605.4 | 588.1 | 578.8 | 569.9 | 557.9 | 545.9 | 535.2 |
| 12.5°  | 649.4 | 636.1 | 629.4  | 622.3 | 608.1 | 585.4 | 573.9 | 559.7 | 547.7 | 531.7 | 521.0 |
| 15°    | 667.2 | 639.6 | 633.4  | 626.8 | 612.1 | 581.0 | 566.8 | 550.8 | 534.4 | 513.0 | 501.5 |
| 17.5°  | 681.4 | 644.5 | 644.1  | 629.9 | 610.8 | 579.2 | 557.5 | 536.6 | 518.8 | 497.5 | 479.3 |
| 20°    | 689.8 | 652.1 | 645.0  | 630.3 | 606.3 | 567.2 | 544.6 | 521.5 | 502.4 | 476.6 | 458.4 |
| 22.5°  | 696.9 | 662.7 | 644.1  | 626.3 | 597.0 | 563.2 | 529.9 | 508.2 | 481.9 | 454.0 | 436.6 |
| 25°    | 699.6 | 665.0 | 645.4  | 625.0 | 590.3 | 551.7 | 513.9 | 490.4 | 461.1 | 435.7 | 412.2 |
| 27.5°  | 700.0 | 664.5 | 640.5  | 619.2 | 581.0 | 536.6 | 497.9 | 473.1 | 440.6 | 411.3 | 387.8 |
| 30°    | 695.6 | 659.6 | 637.9  | 614.8 | 572.1 | 522.8 | 478.4 | 450.9 | 416.2 | 386.9 | 362.5 |
| 32.5°  | 682.3 | 649.8 | 632.1  | 606.8 | 560.6 | 503.7 | 459.7 | 429.1 | 392.7 | 363.8 | 340.2 |
| 35°    | 660.1 | 637.9 | 618.3  | 594.8 | 545.5 | 485.9 | 441.1 | 405.1 | 368.2 | 340.7 | 318.5 |
| 37.5°  | 632.5 | 620.5 | 602.3  | 579.2 | 528.1 | 470.0 | 420.2 | 380.2 | 343.4 | 316.7 | 294.9 |
| 40°    | 595.2 | 598.3 | 580.6  | 559.7 | 507.7 | 448.2 | 393.1 | 354.9 | 320.3 | 295.4 | 274.1 |
| 42.5°  | 554.8 | 567.7 | 557.5  | 537.5 | 485.1 | 424.2 | 373.1 | 330.9 | 297.2 | 271.4 | 253.6 |
| 45°    | 511.3 | 533.5 | 527.3  | 512.6 | 461.5 | 398.9 | 344.7 | 303.8 | 274.1 | 249.2 | 233.6 |
| 47.5°  | 463.7 | 495.3 | 495.3  | 484.6 | 435.3 | 373.6 | 320.3 | 278.5 | 249.2 | 231.4 | 216.3 |
| 50°    | 415.3 | 450.9 | 456.6  | 449.5 | 406.0 | 344.7 | 290.5 | 252.7 | 227.4 | 210.1 | 199.0 |
| 52.5°  | 364.7 | 406.0 | 416.6  | 413.1 | 374.9 | 317.2 | 266.1 | 229.2 | 206.1 | 191.0 | 181.2 |
| 55°    | 316.3 | 364.2 | 375.8  | 377.1 | 341.6 | 286.9 | 239.0 | 206.5 | 184.3 | 174.1 | 165.7 |
| 57.5°  | 270.5 | 316.7 | 329.6  | 331.8 | 307.8 | 259.4 | 213.7 | 185.2 | 165.2 | 156.8 | 150.1 |
| 60°    | 231.4 | 270.1 | 286.9  | 291.8 | 271.0 | 227.4 | 190.1 | 162.6 | 147.5 | 139.5 | 133.3 |
| 62.5°  | 199.4 | 230.5 | 248.3  | 249.6 | 240.3 | 199.4 | 165.7 | 142.6 | 129.7 | 122.6 | 119.5 |
| 65°    | 168.3 | 196.3 | 207.0  | 212.3 | 204.8 | 172.8 | 143.0 | 123.9 | 113.7 | 107.5 | 104.4 |
| 67.5°  | 143.5 | 161.2 | 170.1  | 177.2 | 169.7 | 145.7 | 121.7 | 106.2 | 98.6  | 92.4  | 90.6  |
| 70°    | 117.7 | 132.4 | 139.0  | 146.1 | 139.5 | 121.3 | 103.9 | 89.7  | 83.1  | 78.2  | 76.0  |
| 72.5°  | 94.2  | 105.7 | 111.9  | 116.4 | 112.4 | 97.3  | 83.1  | 73.3  | 68.4  | 64.9  | 63.5  |
| 75°    | 74.6  | 82.6  | 86.2   | 89.3  | 87.5  | 76.0  | 67.1  | 59.1  | 54.6  | 51.5  | 50.6  |
| 77.5°  | 56.9  | 62.6  | 66.6   | 67.5  | 65.3  | 57.7  | 50.2  | 45.3  | 41.8  | 40.0  | 39.1  |
| 80°    | 40.4  | 44.0  | 46.2   | 47.5  | 45.3  | 42.2  | 36.9  | 33.3  | 30.2  | 28.0  | 27.5  |
| 82.5°  | 27.1  | 28.9  | 30.6   | 30.2  | 29.3  | 26.7  | 23.5  | 21.8  | 20.4  | 18.7  | 18.7  |
| 85°    | 15.5  | 16.0  | 16.9   | 17.3  | 16.9  | 15.1  | 13.3  | 12.4  | 11.5  | 10.2  | 10.2  |
| 87.5°  | 6.7   | 7.1   | 7.1    | 7.6   | 6.7   | 6.7   | 5.8   | 4.9   | 4.9   | 4.4   | 4.0   |
| 90°    | 9.4   | 7.1   | 6.0    | 5.4   | 4.2   | 2.9   | 1.7   | 0.5   | 1.7   | 2.9   | 4.2   |
| 92.5°  | 14.0  | 13.9  | 13.8   | 13.4  | 12.6  | 11.7  | 10.9  | 10.1  | 10.9  | 11.7  | 12.6  |
| 95°    | 28.8  | 28.6  | 28.5   | 28.0  | 27.0  | 25.9  | 24.9  | 23.9  | 24.9  | 25.9  | 27.0  |
| 97.5°  | 44.8  | 44.4  | 44.2   | 43.7  | 42.8  | 41.9  | 40.9  | 40.0  | 40.9  | 41.9  | 42.8  |
| 100°   | 62.6  | 62.3  | 62.1   | 61.7  | 60.9  | 60.0  | 59.2  | 58.4  | 59.2  | 60.0  | 60.9  |
| 102.5° | 81.1  | 80.7  | 80.5   | 80.2  | 79.6  | 79.0  | 78.4  | 77.8  | 78.4  | 79.0  | 79.6  |
| 105°   | 100.6 | 100.4 | 100.3  | 100.1 | 99.8  | 99.5  | 99.2  | 98.9  | 99.2  | 99.5  | 99.8  |
| 107.5° | 121.9 | 121.9 | 121.9  | 121.7 | 121.3 | 120.9 | 120.5 | 120.1 | 120.5 | 120.9 | 121.3 |
| 110°   | 143.1 | 143.1 | 143.1  | 142.8 | 142.2 | 141.5 | 140.9 | 140.3 | 140.9 | 141.5 | 142.2 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  |
|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 165.0 | 165.1 | 165.2  | 164.9 | 164.3 | 163.6 | 163.0 | 162.4 | 163.0 | 163.6 | 164.3 |
| 115°   | 186.5 | 186.7 | 186.8  | 186.5 | 185.9 | 185.3 | 184.7 | 184.1 | 184.7 | 185.3 | 185.9 |
| 117.5° | 208.6 | 209.1 | 209.4  | 209.0 | 208.2 | 207.3 | 206.5 | 205.7 | 206.5 | 207.3 | 208.2 |
| 120°   | 229.8 | 230.6 | 231.0  | 230.6 | 229.8 | 228.9 | 228.1 | 227.3 | 228.1 | 228.9 | 229.8 |
| 122.5° | 250.9 | 251.4 | 251.7  | 251.2 | 250.2 | 249.1 | 248.1 | 247.1 | 248.1 | 249.1 | 250.2 |
| 125°   | 271.5 | 271.8 | 271.9  | 271.4 | 270.5 | 269.6 | 268.7 | 267.8 | 268.7 | 269.6 | 270.5 |
| 127.5° | 292.5 | 292.9 | 293.1  | 292.5 | 291.4 | 290.3 | 289.1 | 288.0 | 289.1 | 290.3 | 291.4 |
| 130°   | 312.6 | 312.8 | 312.9  | 312.2 | 310.9 | 309.6 | 308.2 | 306.9 | 308.2 | 309.6 | 310.9 |
| 132.5° | 332.8 | 332.7 | 332.7  | 332.2 | 331.2 | 330.1 | 329.1 | 328.1 | 329.1 | 330.1 | 331.2 |
| 135°   | 351.8 | 351.6 | 351.5  | 350.9 | 349.8 | 348.7 | 347.6 | 346.5 | 347.6 | 348.7 | 349.8 |
| 137.5° | 371.2 | 371.0 | 370.9  | 370.4 | 369.5 | 368.6 | 367.6 | 366.7 | 367.6 | 368.6 | 369.5 |
| 140°   | 389.6 | 389.1 | 388.8  | 388.3 | 387.4 | 386.5 | 385.6 | 384.7 | 385.6 | 386.5 | 387.4 |
| 142.5° | 407.7 | 407.4 | 407.2  | 406.7 | 405.8 | 404.9 | 404.0 | 403.1 | 404.0 | 404.9 | 405.8 |
| 145°   | 424.7 | 424.1 | 423.8  | 423.4 | 422.7 | 422.0 | 421.3 | 420.6 | 421.3 | 422.0 | 422.7 |
| 147.5° | 441.0 | 440.6 | 440.4  | 439.9 | 439.0 | 438.1 | 437.1 | 436.2 | 437.1 | 438.1 | 439.0 |
| 150°   | 455.7 | 455.3 | 455.1  | 454.8 | 454.2 | 453.5 | 452.9 | 452.3 | 452.9 | 453.5 | 454.2 |
| 152.5° | 470.1 | 469.6 | 469.3  | 469.0 | 468.4 | 467.8 | 467.2 | 466.6 | 467.2 | 467.8 | 468.4 |
| 155°   | 482.7 | 482.4 | 482.2  | 482.0 | 481.7 | 481.4 | 481.1 | 480.8 | 481.1 | 481.4 | 481.7 |
| 157.5° | 494.5 | 494.3 | 494.2  | 494.1 | 493.9 | 493.7 | 493.5 | 493.3 | 493.5 | 493.7 | 493.9 |
| 160°   | 505.4 | 505.3 | 505.2  | 505.1 | 504.9 | 504.7 | 504.5 | 504.3 | 504.5 | 504.7 | 504.9 |
| 162.5° | 514.6 | 514.5 | 514.4  | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 | 514.4 |
| 165°   | 522.7 | 522.7 | 522.7  | 522.8 | 522.9 | 523.0 | 523.1 | 523.2 | 523.1 | 523.0 | 522.9 |
| 167.5° | 529.6 | 529.6 | 529.6  | 529.8 | 530.1 | 530.4 | 530.7 | 531.0 | 530.7 | 530.4 | 530.1 |
| 170°   | 535.4 | 535.5 | 535.6  | 535.8 | 536.1 | 536.4 | 536.7 | 537.0 | 536.7 | 536.4 | 536.1 |
| 172.5° | 539.6 | 539.7 | 539.7  | 539.9 | 540.2 | 540.5 | 540.8 | 541.1 | 540.8 | 540.5 | 540.2 |
| 175°   | 542.7 | 542.9 | 543.0  | 543.1 | 543.4 | 543.7 | 544.0 | 544.3 | 544.0 | 543.7 | 543.4 |
| 177.5° | 544.5 | 544.7 | 544.8  | 545.0 | 545.3 | 545.6 | 545.9 | 546.2 | 545.9 | 545.6 | 545.3 |
| 180°   | 545.3 | 545.3 | 545.3  | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 571.7 | 573.9  | 573.4 | 569.0 | 564.1 | 560.1 | 552.6 | 553.5 | 550.8 | 551.2 | 553.9 |
| 5°     | 557.5 | 557.5  | 555.7 | 549.5 | 541.5 | 537.0 | 528.6 | 526.4 | 521.0 | 520.6 | 520.1 |
| 7.5°   | 542.4 | 540.1  | 537.9 | 529.0 | 519.3 | 512.1 | 500.6 | 497.9 | 492.6 | 489.1 | 487.3 |
| 10°    | 524.6 | 521.5  | 517.0 | 506.8 | 494.8 | 485.9 | 473.9 | 470.4 | 460.2 | 455.7 | 453.1 |
| 12.5°  | 505.0 | 503.3  | 496.2 | 487.7 | 468.2 | 458.4 | 441.1 | 444.6 | 434.4 | 425.5 | 424.2 |
| 15°    | 485.5 | 478.8  | 474.8 | 461.1 | 437.5 | 433.1 | 419.3 | 412.2 | 402.9 | 395.8 | 395.8 |
| 17.5°  | 466.4 | 456.2  | 447.3 | 432.6 | 415.3 | 402.9 | 392.7 | 389.1 | 377.6 | 370.5 | 369.1 |
| 20°    | 441.1 | 429.5  | 427.3 | 406.4 | 394.4 | 380.7 | 370.9 | 362.0 | 353.6 | 350.5 | 348.2 |
| 22.5°  | 417.1 | 403.8  | 400.2 | 382.4 | 370.5 | 356.7 | 346.9 | 340.7 | 334.5 | 332.3 | 328.3 |
| 25°    | 391.3 | 383.3  | 378.0 | 358.9 | 345.6 | 332.7 | 326.0 | 321.6 | 315.8 | 315.4 | 312.7 |
| 27.5°  | 366.5 | 358.9  | 353.6 | 335.4 | 325.6 | 313.6 | 308.3 | 303.4 | 300.3 | 298.9 | 297.6 |
| 30°    | 345.1 | 336.7  | 330.5 | 317.2 | 305.2 | 295.4 | 290.9 | 287.8 | 286.1 | 283.8 | 283.4 |
| 32.5°  | 321.6 | 316.7  | 308.3 | 298.1 | 288.7 | 279.4 | 276.7 | 274.5 | 271.8 | 271.0 | 270.5 |
| 35°    | 301.6 | 294.9  | 289.6 | 278.1 | 274.1 | 266.1 | 263.0 | 261.2 | 257.6 | 256.7 | 255.9 |
| 37.5°  | 282.1 | 275.8  | 270.1 | 263.0 | 255.4 | 251.0 | 249.2 | 246.5 | 244.7 | 245.2 | 244.3 |
| 40°    | 262.5 | 257.6  | 253.2 | 245.6 | 241.2 | 239.0 | 235.4 | 232.8 | 231.9 | 232.3 | 231.9 |
| 42.5°  | 243.4 | 239.0  | 236.3 | 230.5 | 226.1 | 223.9 | 221.7 | 219.0 | 220.3 | 220.3 | 221.7 |
| 45°    | 226.1 | 222.1  | 220.3 | 215.9 | 213.2 | 209.7 | 207.4 | 207.0 | 208.8 | 208.3 | 208.3 |
| 47.5°  | 208.3 | 207.0  | 204.8 | 200.8 | 197.2 | 195.0 | 194.6 | 194.6 | 196.3 | 197.2 | 196.8 |
| 50°    | 194.6 | 191.9  | 189.2 | 186.1 | 183.4 | 182.6 | 181.2 | 182.1 | 183.9 | 183.9 | 184.8 |
| 52.5°  | 177.2 | 175.5  | 174.6 | 171.9 | 170.1 | 170.1 | 170.1 | 170.6 | 171.9 | 173.2 | 172.8 |
| 55°    | 162.1 | 160.8  | 159.9 | 158.6 | 156.4 | 156.8 | 156.4 | 157.2 | 158.6 | 159.9 | 160.8 |
| 57.5°  | 146.1 | 145.7  | 144.8 | 142.6 | 142.6 | 142.1 | 143.5 | 143.9 | 146.1 | 147.0 | 148.4 |
| 60°    | 131.9 | 130.6  | 130.6 | 128.8 | 128.8 | 128.8 | 130.1 | 131.5 | 133.3 | 133.7 | 134.6 |
| 62.5°  | 116.8 | 116.8  | 116.4 | 115.0 | 115.0 | 116.4 | 116.8 | 118.6 | 119.5 | 119.5 | 120.8 |
| 65°    | 102.6 | 102.2  | 101.7 | 102.2 | 102.6 | 102.6 | 103.9 | 104.8 | 105.7 | 106.2 | 106.6 |
| 67.5°  | 88.4  | 87.9   | 88.8  | 88.4  | 89.3  | 91.1  | 90.6  | 91.9  | 93.3  | 93.3  | 93.7  |
| 70°    | 75.1  | 76.0   | 75.5  | 76.4  | 76.0  | 76.8  | 78.2  | 78.6  | 78.6  | 79.1  | 80.4  |
| 72.5°  | 62.6  | 62.6   | 62.6  | 62.2  | 62.6  | 63.5  | 64.4  | 64.9  | 65.7  | 66.2  | 67.5  |
| 75°    | 50.6  | 50.6   | 49.7  | 50.6  | 50.6  | 51.5  | 52.4  | 52.4  | 52.4  | 53.3  | 54.6  |
| 77.5°  | 38.2  | 38.6   | 38.2  | 39.1  | 39.1  | 39.5  | 40.4  | 40.0  | 40.9  | 41.3  | 41.8  |
| 80°    | 28.0  | 27.5   | 27.5  | 27.5  | 28.0  | 28.0  | 28.9  | 29.3  | 29.3  | 30.6  | 29.8  |
| 82.5°  | 17.8  | 18.2   | 17.8  | 18.2  | 18.2  | 18.7  | 18.2  | 18.7  | 19.1  | 20.0  | 19.5  |
| 85°    | 10.2  | 9.8    | 9.8   | 10.2  | 9.8   | 9.8   | 10.2  | 9.8   | 10.2  | 9.8   | 10.2  |
| 87.5°  | 4.0   | 3.6    | 3.6   | 3.6   | 3.6   | 3.1   | 3.1   | 2.7   | 2.7   | 2.7   | 2.2   |
| 90°    | 5.4   | 6.0    | 7.1   | 9.4   | 11.6  | 13.9  | 16.1  | 15.9  | 15.7  | 15.5  | 15.3  |
| 92.5°  | 13.4  | 13.8   | 13.9  | 14.0  | 14.1  | 14.2  | 14.3  | 14.4  | 14.5  | 14.6  | 14.7  |
| 95°    | 28.0  | 28.5   | 28.6  | 28.8  | 29.0  | 29.2  | 29.4  | 29.4  | 29.4  | 29.4  | 29.4  |
| 97.5°  | 43.7  | 44.2   | 44.4  | 44.8  | 45.2  | 45.6  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  |
| 100°   | 61.7  | 62.1   | 62.3  | 62.6  | 62.9  | 63.2  | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  |
| 102.5° | 80.2  | 80.5   | 80.7  | 81.1  | 81.6  | 82.0  | 82.4  | 82.5  | 82.6  | 82.7  | 82.8  |
| 105°   | 100.1 | 100.3  | 100.4 | 100.6 | 100.8 | 101.0 | 101.2 | 101.4 | 101.6 | 101.9 | 102.1 |
| 107.5° | 121.7 | 121.9  | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 122.0 | 122.1 | 122.2 | 122.3 |
| 110°   | 142.8 | 143.1  | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 200°  | 202.5° | 205°  | 210°  | 215°  | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  |
|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 164.9 | 165.2  | 165.1 | 165.0 | 164.9 | 164.8 | 164.7 | 164.4 | 164.1 | 163.8 | 163.5 |
| 115°   | 186.5 | 186.8  | 186.7 | 186.5 | 186.3 | 186.1 | 185.9 | 185.8 | 185.7 | 185.6 | 185.5 |
| 117.5° | 209.0 | 209.4  | 209.1 | 208.6 | 208.1 | 207.6 | 207.1 | 206.8 | 206.5 | 206.2 | 205.9 |
| 120°   | 230.6 | 231.0  | 230.6 | 229.8 | 228.9 | 228.1 | 227.3 | 227.3 | 227.3 | 227.3 | 227.3 |
| 122.5° | 251.2 | 251.7  | 251.4 | 250.9 | 250.4 | 249.9 | 249.4 | 249.1 | 248.8 | 248.5 | 248.2 |
| 125°   | 271.4 | 271.9  | 271.8 | 271.5 | 271.2 | 270.9 | 270.6 | 270.3 | 270.0 | 269.7 | 269.4 |
| 127.5° | 292.5 | 293.1  | 292.9 | 292.5 | 292.1 | 291.7 | 291.3 | 290.9 | 290.5 | 290.0 | 289.6 |
| 130°   | 312.2 | 312.9  | 312.8 | 312.6 | 312.4 | 312.2 | 312.0 | 311.8 | 311.6 | 311.4 | 311.2 |
| 132.5° | 332.2 | 332.7  | 332.7 | 332.8 | 332.9 | 333.0 | 333.1 | 332.6 | 332.1 | 331.6 | 331.1 |
| 135°   | 350.9 | 351.5  | 351.6 | 351.8 | 352.1 | 352.3 | 352.5 | 352.4 | 352.3 | 352.2 | 352.1 |
| 137.5° | 370.4 | 370.9  | 371.0 | 371.2 | 371.4 | 371.6 | 371.8 | 371.7 | 371.6 | 371.5 | 371.4 |
| 140°   | 388.3 | 388.8  | 389.1 | 389.6 | 390.1 | 390.6 | 391.1 | 391.1 | 391.1 | 391.1 | 391.1 |
| 142.5° | 406.7 | 407.2  | 407.4 | 407.7 | 408.0 | 408.3 | 408.6 | 408.7 | 408.8 | 408.9 | 409.0 |
| 145°   | 423.4 | 423.8  | 424.1 | 424.7 | 425.3 | 425.9 | 426.5 | 426.6 | 426.7 | 426.8 | 426.9 |
| 147.5° | 439.9 | 440.4  | 440.6 | 441.0 | 441.4 | 441.8 | 442.2 | 442.4 | 442.6 | 442.8 | 443.0 |
| 150°   | 454.8 | 455.1  | 455.3 | 455.7 | 456.1 | 456.5 | 456.9 | 457.2 | 457.5 | 457.8 | 458.1 |
| 152.5° | 469.0 | 469.3  | 469.6 | 470.1 | 470.6 | 471.1 | 471.6 | 472.0 | 472.4 | 472.9 | 473.3 |
| 155°   | 482.0 | 482.2  | 482.4 | 482.7 | 483.0 | 483.3 | 483.6 | 484.1 | 484.6 | 485.1 | 485.6 |
| 157.5° | 494.1 | 494.2  | 494.3 | 494.5 | 494.7 | 494.9 | 495.1 | 495.8 | 496.5 | 497.2 | 497.9 |
| 160°   | 505.1 | 505.2  | 505.3 | 505.4 | 505.5 | 505.6 | 505.7 | 506.3 | 506.9 | 507.6 | 508.2 |
| 162.5° | 514.4 | 514.4  | 514.5 | 514.6 | 514.7 | 514.8 | 514.9 | 515.6 | 516.3 | 517.0 | 517.7 |
| 165°   | 522.8 | 522.7  | 522.7 | 522.7 | 522.7 | 522.7 | 522.7 | 523.4 | 524.1 | 524.8 | 525.5 |
| 167.5° | 529.8 | 529.6  | 529.6 | 529.6 | 529.6 | 529.6 | 529.6 | 530.3 | 531.0 | 531.7 | 532.4 |
| 170°   | 535.8 | 535.6  | 535.5 | 535.4 | 535.3 | 535.2 | 535.1 | 535.8 | 536.6 | 537.3 | 538.0 |
| 172.5° | 539.9 | 539.7  | 539.7 | 539.6 | 539.5 | 539.4 | 539.3 | 540.0 | 540.7 | 541.4 | 542.1 |
| 175°   | 543.1 | 543.0  | 542.9 | 542.7 | 542.4 | 542.2 | 542.0 | 542.7 | 543.5 | 544.2 | 544.9 |
| 177.5° | 545.0 | 544.8  | 544.7 | 544.5 | 544.3 | 544.1 | 543.9 | 544.5 | 545.1 | 545.7 | 546.3 |
| 180°   | 545.3 | 545.3  | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°     | 577.9  | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9  |
| 2.5°   | 550.8  | 552.1 | 549.0 | 548.1 | 549.0 | 545.9 | 546.8 | 547.7 | 547.7 | 549.0 | 549.9  |
| 5°     | 518.8  | 517.0 | 513.9 | 513.0 | 512.1 | 513.5 | 512.6 | 513.9 | 514.4 | 517.5 | 517.9  |
| 7.5°   | 487.3  | 484.6 | 481.9 | 479.3 | 478.4 | 476.2 | 478.4 | 478.4 | 481.5 | 480.6 | 482.8  |
| 10°    | 450.0  | 449.5 | 446.0 | 444.6 | 442.9 | 439.3 | 444.2 | 442.9 | 445.1 | 449.1 | 450.0  |
| 12.5°  | 422.4  | 417.5 | 419.8 | 413.5 | 415.8 | 412.2 | 412.7 | 412.7 | 416.2 | 416.6 | 415.8  |
| 15°    | 396.2  | 392.2 | 386.4 | 383.8 | 382.4 | 380.7 | 386.4 | 386.9 | 384.2 | 390.4 | 388.2  |
| 17.5°  | 369.6  | 369.6 | 364.2 | 362.9 | 359.3 | 361.1 | 360.2 | 360.7 | 359.8 | 364.2 | 366.5  |
| 20°    | 346.5  | 344.2 | 342.5 | 342.9 | 338.5 | 337.6 | 336.7 | 337.6 | 340.7 | 343.8 | 344.7  |
| 22.5°  | 327.8  | 326.5 | 322.0 | 322.9 | 319.4 | 320.7 | 319.8 | 322.0 | 322.5 | 322.5 | 325.6  |
| 25°    | 310.0  | 308.3 | 308.7 | 306.9 | 305.6 | 305.6 | 304.3 | 305.6 | 307.4 | 308.3 | 308.7  |
| 27.5°  | 296.7  | 295.4 | 293.2 | 291.8 | 292.7 | 290.5 | 292.3 | 293.6 | 293.6 | 292.7 | 293.6  |
| 30°    | 280.7  | 281.6 | 281.6 | 277.2 | 279.0 | 278.1 | 279.4 | 280.3 | 280.3 | 280.7 | 279.8  |
| 32.5°  | 270.1  | 267.4 | 267.0 | 266.5 | 266.5 | 264.7 | 264.7 | 266.1 | 266.5 | 267.0 | 268.3  |
| 35°    | 255.9  | 255.9 | 253.6 | 255.0 | 253.2 | 253.6 | 253.2 | 253.6 | 254.5 | 253.2 | 254.5  |
| 37.5°  | 243.0  | 243.4 | 242.5 | 243.4 | 243.9 | 243.0 | 242.1 | 243.9 | 243.0 | 243.0 | 242.1  |
| 40°    | 231.9  | 231.4 | 231.9 | 231.9 | 231.9 | 232.3 | 231.4 | 231.4 | 231.4 | 230.5 | 229.6  |
| 42.5°  | 222.5  | 219.9 | 220.8 | 221.2 | 219.9 | 219.9 | 220.3 | 219.9 | 221.2 | 218.5 | 218.5  |
| 45°    | 209.2  | 208.3 | 208.8 | 208.8 | 209.7 | 208.3 | 209.2 | 209.7 | 208.3 | 207.9 | 207.0  |
| 47.5°  | 197.2  | 198.1 | 197.2 | 198.1 | 198.1 | 199.0 | 197.2 | 197.7 | 198.1 | 196.3 | 195.0  |
| 50°    | 185.2  | 185.2 | 186.6 | 186.1 | 186.6 | 185.7 | 185.7 | 185.2 | 185.7 | 184.8 | 183.4  |
| 52.5°  | 174.1  | 172.8 | 175.0 | 174.6 | 174.1 | 173.7 | 173.2 | 173.7 | 172.8 | 171.9 | 171.9  |
| 55°    | 160.4  | 160.4 | 161.7 | 162.1 | 162.1 | 161.2 | 160.4 | 160.8 | 160.4 | 159.9 | 159.5  |
| 57.5°  | 149.2  | 147.5 | 148.4 | 148.8 | 148.8 | 147.5 | 148.4 | 147.5 | 147.5 | 147.9 | 146.6  |
| 60°    | 135.0  | 135.0 | 134.1 | 135.5 | 135.5 | 134.6 | 134.6 | 135.0 | 134.1 | 133.7 | 133.3  |
| 62.5°  | 119.9  | 120.4 | 121.7 | 122.2 | 122.6 | 121.7 | 120.8 | 121.3 | 121.3 | 119.9 | 120.4  |
| 65°    | 107.0  | 107.9 | 109.7 | 109.3 | 108.4 | 108.8 | 107.9 | 108.4 | 107.0 | 107.5 | 106.2  |
| 67.5°  | 94.6   | 94.2  | 94.6  | 94.6  | 95.5  | 95.1  | 94.2  | 94.2  | 93.7  | 95.1  | 93.7   |
| 70°    | 81.3   | 81.3  | 81.3  | 81.3  | 81.7  | 82.2  | 81.3  | 80.4  | 80.8  | 80.0  | 79.5   |
| 72.5°  | 67.5   | 68.0  | 67.5  | 68.4  | 67.1  | 68.0  | 68.0  | 67.5  | 67.1  | 67.1  | 67.1   |
| 75°    | 54.6   | 55.5  | 54.2  | 54.6  | 54.2  | 55.1  | 54.6  | 54.6  | 53.7  | 53.3  | 53.7   |
| 77.5°  | 41.8   | 42.2  | 41.3  | 41.8  | 41.3  | 41.8  | 41.8  | 41.3  | 41.3  | 41.3  | 41.3   |
| 80°    | 29.8   | 30.2  | 29.8  | 29.3  | 28.9  | 29.8  | 28.9  | 29.3  | 29.8  | 29.3  | 30.2   |
| 82.5°  | 19.1   | 19.1  | 18.7  | 19.1  | 18.2  | 18.2  | 18.7  | 18.7  | 18.2  | 19.1  | 18.2   |
| 85°    | 9.3    | 9.3   | 10.2  | 9.3   | 8.9   | 8.9   | 8.9   | 9.3   | 8.9   | 9.8   | 9.3    |
| 87.5°  | 2.2    | 1.8   | 2.2   | 2.2   | 1.8   | 1.8   | 2.2   | 1.8   | 2.2   | 2.7   | 1.8    |
| 90°    | 15.2   | 15.2  | 15.3  | 15.4  | 15.5  | 15.6  | 15.5  | 15.4  | 15.3  | 15.2  | 15.2   |
| 92.5°  | 14.7   | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7  | 14.7   |
| 95°    | 29.4   | 29.3  | 29.1  | 28.9  | 28.7  | 28.5  | 28.7  | 28.9  | 29.1  | 29.3  | 29.4   |
| 97.5°  | 46.0   | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0   |
| 100°   | 63.5   | 63.4  | 63.3  | 63.2  | 63.1  | 63.0  | 63.1  | 63.2  | 63.3  | 63.4  | 63.5   |
| 102.5° | 82.8   | 82.8  | 82.7  | 82.6  | 82.5  | 82.4  | 82.5  | 82.6  | 82.7  | 82.8  | 82.8   |
| 105°   | 102.2  | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2 | 102.2  |
| 107.5° | 122.4  | 122.1 | 121.6 | 121.1 | 120.6 | 120.1 | 120.6 | 121.1 | 121.6 | 122.1 | 122.4  |
| 110°   | 143.1  | 142.9 | 142.6 | 142.3 | 142.0 | 141.7 | 142.0 | 142.3 | 142.6 | 142.9 | 143.1  |



TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 255°  | 260°  | 265°  | 270°  | 275°  | 280°  | 285°  | 290°  | 292.5° |
|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 112.5° | 163.3  | 163.2 | 163.0 | 162.8 | 162.6 | 162.4 | 162.6 | 162.8 | 163.0 | 163.2 | 163.3  |
| 115°   | 185.4  | 185.3 | 185.0 | 184.7 | 184.4 | 184.1 | 184.4 | 184.7 | 185.0 | 185.3 | 185.4  |
| 117.5° | 205.7  | 205.5 | 205.2 | 204.9 | 204.6 | 204.3 | 204.6 | 204.9 | 205.2 | 205.5 | 205.7  |
| 120°   | 227.3  | 227.1 | 226.8 | 226.5 | 226.2 | 225.9 | 226.2 | 226.5 | 226.8 | 227.1 | 227.3  |
| 122.5° | 248.0  | 247.9 | 247.7 | 247.5 | 247.3 | 247.1 | 247.3 | 247.5 | 247.7 | 247.9 | 248.0  |
| 125°   | 269.2  | 269.1 | 269.0 | 268.9 | 268.8 | 268.7 | 268.8 | 268.9 | 269.0 | 269.1 | 269.2  |
| 127.5° | 289.4  | 289.2 | 288.9 | 288.6 | 288.3 | 288.0 | 288.3 | 288.6 | 288.9 | 289.2 | 289.4  |
| 130°   | 311.1  | 310.9 | 310.5 | 310.0 | 309.6 | 309.2 | 309.6 | 310.0 | 310.5 | 310.9 | 311.1  |
| 132.5° | 330.8  | 330.7 | 330.4 | 330.1 | 329.8 | 329.5 | 329.8 | 330.1 | 330.4 | 330.7 | 330.8  |
| 135°   | 352.0  | 351.8 | 351.5 | 351.2 | 350.9 | 350.6 | 350.9 | 351.2 | 351.5 | 351.8 | 352.0  |
| 137.5° | 371.3  | 371.1 | 370.7 | 370.3 | 369.9 | 369.5 | 369.9 | 370.3 | 370.7 | 371.1 | 371.3  |
| 140°   | 391.1  | 390.9 | 390.5 | 390.1 | 389.7 | 389.3 | 389.7 | 390.1 | 390.5 | 390.9 | 391.1  |
| 142.5° | 409.1  | 408.9 | 408.5 | 408.0 | 407.6 | 407.2 | 407.6 | 408.0 | 408.5 | 408.9 | 409.1  |
| 145°   | 427.0  | 426.8 | 426.4 | 426.0 | 425.6 | 425.2 | 425.6 | 426.0 | 426.4 | 426.8 | 427.0  |
| 147.5° | 443.1  | 442.9 | 442.5 | 442.1 | 441.7 | 441.3 | 441.7 | 442.1 | 442.5 | 442.9 | 443.1  |
| 150°   | 458.3  | 458.1 | 457.8 | 457.5 | 457.2 | 456.9 | 457.2 | 457.5 | 457.8 | 458.1 | 458.3  |
| 152.5° | 473.5  | 473.3 | 472.9 | 472.4 | 472.0 | 471.6 | 472.0 | 472.4 | 472.9 | 473.3 | 473.5  |
| 155°   | 485.9  | 485.7 | 485.4 | 485.1 | 484.8 | 484.5 | 484.8 | 485.1 | 485.4 | 485.7 | 485.9  |
| 157.5° | 498.3  | 498.0 | 497.5 | 497.0 | 496.5 | 496.0 | 496.5 | 497.0 | 497.5 | 498.0 | 498.3  |
| 160°   | 508.5  | 508.3 | 507.9 | 507.4 | 507.0 | 506.6 | 507.0 | 507.4 | 507.9 | 508.3 | 508.5  |
| 162.5° | 518.1  | 517.8 | 517.3 | 516.8 | 516.3 | 515.8 | 516.3 | 516.8 | 517.3 | 517.8 | 518.1  |
| 165°   | 525.9  | 525.6 | 525.1 | 524.6 | 524.1 | 523.6 | 524.1 | 524.6 | 525.1 | 525.6 | 525.9  |
| 167.5° | 532.8  | 532.5 | 532.0 | 531.5 | 531.0 | 530.5 | 531.0 | 531.5 | 532.0 | 532.5 | 532.8  |
| 170°   | 538.4  | 538.1 | 537.5 | 536.8 | 536.2 | 535.6 | 536.2 | 536.8 | 537.5 | 538.1 | 538.4  |
| 172.5° | 542.5  | 542.2 | 541.6 | 540.9 | 540.3 | 539.7 | 540.3 | 540.9 | 541.6 | 542.2 | 542.5  |
| 175°   | 545.3  | 545.0 | 544.4 | 543.7 | 543.1 | 542.5 | 543.1 | 543.7 | 544.4 | 545.0 | 545.3  |
| 177.5° | 546.6  | 546.3 | 545.7 | 545.1 | 544.5 | 543.9 | 544.5 | 545.1 | 545.7 | 546.3 | 546.6  |
| 180°   | 545.3  | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3  |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9 | 577.9  | 577.9 |
| 2.5°   | 548.6 | 552.1 | 550.8 | 545.9 | 551.7 | 551.7 | 555.7 | 555.7 | 560.6 | 562.3  | 565.0 |
| 5°     | 517.5 | 520.1 | 522.4 | 520.1 | 524.1 | 530.4 | 533.9 | 537.0 | 543.7 | 546.4  | 550.3 |
| 7.5°   | 484.2 | 489.1 | 491.3 | 491.3 | 497.9 | 505.0 | 512.1 | 516.6 | 525.9 | 529.5  | 533.5 |
| 10°    | 451.7 | 457.5 | 462.0 | 461.5 | 472.6 | 477.1 | 485.9 | 496.2 | 505.5 | 510.8  | 516.6 |
| 12.5°  | 417.5 | 420.6 | 426.9 | 435.7 | 438.4 | 446.4 | 456.6 | 469.5 | 486.4 | 491.3  | 499.7 |
| 15°    | 389.1 | 397.5 | 402.4 | 406.4 | 412.7 | 420.2 | 431.3 | 443.7 | 460.6 | 471.3  | 480.2 |
| 17.5°  | 365.1 | 376.2 | 379.3 | 378.4 | 386.4 | 398.0 | 410.9 | 420.2 | 435.3 | 448.2  | 456.6 |
| 20°    | 345.6 | 350.0 | 355.4 | 357.6 | 363.8 | 376.2 | 388.7 | 399.3 | 411.8 | 422.0  | 431.8 |
| 22.5°  | 326.0 | 329.6 | 334.0 | 338.0 | 342.9 | 350.0 | 362.0 | 375.3 | 387.3 | 397.1  | 408.2 |
| 25°    | 310.0 | 312.3 | 316.3 | 319.4 | 324.7 | 329.6 | 338.0 | 352.7 | 366.9 | 372.7  | 382.4 |
| 27.5°  | 294.5 | 296.3 | 298.9 | 302.5 | 305.2 | 310.0 | 317.6 | 329.6 | 344.2 | 350.0  | 363.3 |
| 30°    | 280.7 | 282.1 | 284.7 | 286.5 | 287.8 | 293.6 | 299.4 | 308.7 | 319.8 | 327.8  | 337.6 |
| 32.5°  | 267.8 | 269.2 | 271.8 | 272.3 | 274.1 | 277.2 | 282.5 | 290.9 | 300.7 | 307.4  | 315.8 |
| 35°    | 253.6 | 254.5 | 257.2 | 258.1 | 259.4 | 262.1 | 266.1 | 272.3 | 281.2 | 286.1  | 293.6 |
| 37.5°  | 242.5 | 242.1 | 243.9 | 245.2 | 247.0 | 248.3 | 249.6 | 255.9 | 262.5 | 267.0  | 272.7 |
| 40°    | 230.5 | 229.6 | 230.1 | 231.9 | 232.8 | 234.5 | 234.5 | 240.8 | 245.2 | 248.7  | 253.2 |
| 42.5°  | 218.5 | 218.1 | 217.2 | 218.1 | 219.0 | 219.4 | 219.9 | 224.3 | 228.8 | 231.9  | 236.8 |
| 45°    | 206.5 | 206.1 | 205.2 | 205.7 | 205.7 | 206.5 | 207.9 | 209.7 | 212.8 | 215.4  | 218.1 |
| 47.5°  | 195.4 | 194.6 | 193.2 | 192.8 | 193.7 | 193.7 | 193.7 | 195.4 | 198.6 | 199.4  | 202.1 |
| 50°    | 183.9 | 182.6 | 180.8 | 179.9 | 179.9 | 179.5 | 180.3 | 180.8 | 183.4 | 184.3  | 186.6 |
| 52.5°  | 171.5 | 170.6 | 168.8 | 167.0 | 167.5 | 166.6 | 167.0 | 167.5 | 168.3 | 169.7  | 171.0 |
| 55°    | 159.0 | 157.2 | 155.9 | 155.5 | 154.1 | 154.1 | 152.8 | 154.6 | 154.1 | 154.6  | 156.4 |
| 57.5°  | 147.0 | 145.2 | 143.0 | 142.1 | 140.8 | 140.4 | 139.5 | 139.0 | 139.5 | 140.8  | 142.1 |
| 60°    | 132.8 | 131.9 | 130.6 | 129.3 | 128.4 | 127.0 | 126.1 | 126.1 | 125.7 | 125.7  | 126.1 |
| 62.5°  | 119.0 | 118.6 | 116.8 | 116.4 | 115.5 | 114.6 | 113.3 | 112.4 | 112.4 | 113.3  | 113.7 |
| 65°    | 105.7 | 105.3 | 103.9 | 103.5 | 101.3 | 100.4 | 99.9  | 99.5  | 98.6  | 98.6   | 98.6  |
| 67.5°  | 93.3  | 91.9  | 91.9  | 89.7  | 87.9  | 87.1  | 86.2  | 85.7  | 85.7  | 85.7   | 86.2  |
| 70°    | 79.5  | 79.5  | 78.2  | 76.8  | 75.1  | 75.5  | 74.2  | 72.8  | 72.8  | 72.0   | 72.4  |
| 72.5°  | 66.2  | 65.7  | 64.4  | 64.0  | 62.6  | 61.3  | 60.4  | 61.3  | 60.0  | 59.5   | 60.0  |
| 75°    | 53.3  | 52.9  | 52.0  | 51.1  | 51.5  | 50.2  | 48.9  | 48.4  | 48.4  | 47.5   | 47.5  |
| 77.5°  | 40.9  | 41.8  | 40.0  | 39.5  | 38.6  | 37.8  | 37.3  | 36.9  | 36.9  | 36.9   | 37.8  |
| 80°    | 28.4  | 28.9  | 28.9  | 28.0  | 28.4  | 27.1  | 27.1  | 27.1  | 25.8  | 26.2   | 26.7  |
| 82.5°  | 18.2  | 18.2  | 17.8  | 18.2  | 17.8  | 17.8  | 17.3  | 17.3  | 16.9  | 16.9   | 17.3  |
| 85°    | 10.2  | 9.8   | 9.3   | 10.2  | 9.8   | 9.8   | 9.3   | 9.3   | 9.3   | 9.3    | 9.3   |
| 87.5°  | 2.2   | 2.7   | 2.7   | 2.7   | 2.7   | 3.1   | 3.1   | 3.1   | 3.6   | 3.6    | 3.6   |
| 90°    | 15.3  | 15.5  | 15.7  | 15.9  | 16.1  | 13.9  | 11.6  | 9.4   | 7.1   | 6.0    | 5.4   |
| 92.5°  | 14.7  | 14.6  | 14.5  | 14.4  | 14.3  | 14.2  | 14.1  | 14.0  | 13.9  | 13.8   | 13.4  |
| 95°    | 29.4  | 29.4  | 29.4  | 29.4  | 29.4  | 29.2  | 29.0  | 28.8  | 28.6  | 28.5   | 28.0  |
| 97.5°  | 46.0  | 46.0  | 46.0  | 46.0  | 46.0  | 45.6  | 45.2  | 44.8  | 44.4  | 44.2   | 43.7  |
| 100°   | 63.5  | 63.5  | 63.5  | 63.5  | 63.5  | 63.2  | 62.9  | 62.6  | 62.3  | 62.1   | 61.7  |
| 102.5° | 82.8  | 82.7  | 82.6  | 82.5  | 82.4  | 82.0  | 81.6  | 81.1  | 80.7  | 80.5   | 80.2  |
| 105°   | 102.1 | 101.9 | 101.6 | 101.4 | 101.2 | 101.0 | 100.8 | 100.6 | 100.4 | 100.3  | 100.1 |
| 107.5° | 122.3 | 122.2 | 122.1 | 122.0 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9  | 121.7 |
| 110°   | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1 | 143.1  | 142.8 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 295°  | 300°  | 305°  | 310°  | 315°  | 320°  | 325°  | 330°  | 335°  | 337.5° | 340°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 112.5° | 163.5 | 163.8 | 164.1 | 164.4 | 164.7 | 164.8 | 164.9 | 165.0 | 165.1 | 165.2  | 164.9 |
| 115°   | 185.5 | 185.6 | 185.7 | 185.8 | 185.9 | 186.1 | 186.3 | 186.5 | 186.7 | 186.8  | 186.5 |
| 117.5° | 205.9 | 206.2 | 206.5 | 206.8 | 207.1 | 207.6 | 208.1 | 208.6 | 209.1 | 209.4  | 209.0 |
| 120°   | 227.3 | 227.3 | 227.3 | 227.3 | 227.3 | 228.1 | 228.9 | 229.8 | 230.6 | 231.0  | 230.6 |
| 122.5° | 248.2 | 248.5 | 248.8 | 249.1 | 249.4 | 249.9 | 250.4 | 250.9 | 251.4 | 251.7  | 251.2 |
| 125°   | 269.4 | 269.7 | 270.0 | 270.3 | 270.6 | 270.9 | 271.2 | 271.5 | 271.8 | 271.9  | 271.4 |
| 127.5° | 289.6 | 290.0 | 290.5 | 290.9 | 291.3 | 291.7 | 292.1 | 292.5 | 292.9 | 293.1  | 292.5 |
| 130°   | 311.2 | 311.4 | 311.6 | 311.8 | 312.0 | 312.2 | 312.4 | 312.6 | 312.8 | 312.9  | 312.2 |
| 132.5° | 331.1 | 331.6 | 332.1 | 332.6 | 333.1 | 333.0 | 332.9 | 332.8 | 332.7 | 332.7  | 332.2 |
| 135°   | 352.1 | 352.2 | 352.3 | 352.4 | 352.5 | 352.3 | 352.1 | 351.8 | 351.6 | 351.5  | 350.9 |
| 137.5° | 371.4 | 371.5 | 371.6 | 371.7 | 371.8 | 371.6 | 371.4 | 371.2 | 371.0 | 370.9  | 370.4 |
| 140°   | 391.1 | 391.1 | 391.1 | 391.1 | 391.1 | 390.6 | 390.1 | 389.6 | 389.1 | 388.8  | 388.3 |
| 142.5° | 409.0 | 408.9 | 408.8 | 408.7 | 408.6 | 408.3 | 408.0 | 407.7 | 407.4 | 407.2  | 406.7 |
| 145°   | 426.9 | 426.8 | 426.7 | 426.6 | 426.5 | 425.9 | 425.3 | 424.7 | 424.1 | 423.8  | 423.4 |
| 147.5° | 443.0 | 442.8 | 442.6 | 442.4 | 442.2 | 441.8 | 441.4 | 441.0 | 440.6 | 440.4  | 439.9 |
| 150°   | 458.1 | 457.8 | 457.5 | 457.2 | 456.9 | 456.5 | 456.1 | 455.7 | 455.3 | 455.1  | 454.8 |
| 152.5° | 473.3 | 472.9 | 472.4 | 472.0 | 471.6 | 471.1 | 470.6 | 470.1 | 469.6 | 469.3  | 469.0 |
| 155°   | 485.6 | 485.1 | 484.6 | 484.1 | 483.6 | 483.3 | 483.0 | 482.7 | 482.4 | 482.2  | 482.0 |
| 157.5° | 497.9 | 497.2 | 496.5 | 495.8 | 495.1 | 494.9 | 494.7 | 494.5 | 494.3 | 494.2  | 494.1 |
| 160°   | 508.2 | 507.6 | 506.9 | 506.3 | 505.7 | 505.6 | 505.5 | 505.4 | 505.3 | 505.2  | 505.1 |
| 162.5° | 517.7 | 517.0 | 516.3 | 515.6 | 514.9 | 514.8 | 514.7 | 514.6 | 514.5 | 514.4  | 514.4 |
| 165°   | 525.5 | 524.8 | 524.1 | 523.4 | 522.7 | 522.7 | 522.7 | 522.7 | 522.7 | 522.7  | 522.8 |
| 167.5° | 532.4 | 531.7 | 531.0 | 530.3 | 529.6 | 529.6 | 529.6 | 529.6 | 529.6 | 529.6  | 529.8 |
| 170°   | 538.0 | 537.3 | 536.6 | 535.8 | 535.1 | 535.2 | 535.3 | 535.4 | 535.5 | 535.6  | 535.8 |
| 172.5° | 542.1 | 541.4 | 540.7 | 540.0 | 539.3 | 539.4 | 539.5 | 539.6 | 539.7 | 539.7  | 539.9 |
| 175°   | 544.9 | 544.2 | 543.5 | 542.7 | 542.0 | 542.2 | 542.4 | 542.7 | 542.9 | 543.0  | 543.1 |
| 177.5° | 546.3 | 545.7 | 545.1 | 544.5 | 543.9 | 544.1 | 544.3 | 544.5 | 544.7 | 544.8  | 545.0 |
| 180°   | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3 | 545.3  | 545.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 0°     | 577.9 | 577.9 | 577.9 | 577.9 |
| 2.5°   | 567.2 | 567.2 | 573.9 | 581.0 |
| 5°     | 554.8 | 557.9 | 568.6 | 578.3 |
| 7.5°   | 542.8 | 548.1 | 561.5 | 573.9 |
| 10°    | 528.1 | 535.2 | 551.7 | 566.3 |
| 12.5°  | 513.9 | 520.6 | 539.7 | 556.1 |
| 15°    | 493.9 | 502.4 | 522.8 | 543.2 |
| 17.5°  | 473.9 | 482.4 | 507.3 | 531.2 |
| 20°    | 450.4 | 461.5 | 489.5 | 521.5 |
| 22.5°  | 428.6 | 442.4 | 473.5 | 499.3 |
| 25°    | 404.7 | 426.0 | 454.8 | 488.2 |
| 27.5°  | 383.3 | 404.7 | 434.0 | 467.7 |
| 30°    | 359.3 | 381.1 | 411.3 | 442.4 |
| 32.5°  | 336.3 | 356.2 | 385.6 | 423.8 |
| 35°    | 312.3 | 331.4 | 359.8 | 398.4 |
| 37.5°  | 290.5 | 309.2 | 340.2 | 375.8 |
| 40°    | 269.2 | 288.7 | 315.4 | 350.9 |
| 42.5°  | 249.2 | 266.5 | 290.5 | 326.0 |
| 45°    | 231.0 | 243.4 | 265.6 | 298.9 |
| 47.5°  | 211.9 | 223.0 | 243.4 | 276.7 |
| 50°    | 194.1 | 203.4 | 221.2 | 252.3 |
| 52.5°  | 176.8 | 184.8 | 201.2 | 226.1 |
| 55°    | 161.2 | 168.8 | 180.8 | 205.2 |
| 57.5°  | 145.2 | 151.0 | 162.6 | 182.1 |
| 60°    | 129.7 | 135.0 | 144.4 | 160.4 |
| 62.5°  | 114.2 | 118.6 | 127.5 | 140.4 |
| 65°    | 100.4 | 103.9 | 110.6 | 121.7 |
| 67.5°  | 87.1  | 89.3  | 94.6  | 103.5 |
| 70°    | 74.2  | 76.0  | 80.4  | 87.5  |
| 72.5°  | 60.4  | 62.2  | 67.1  | 72.0  |
| 75°    | 48.9  | 49.3  | 52.9  | 56.9  |
| 77.5°  | 38.2  | 37.8  | 40.4  | 43.5  |
| 80°    | 26.2  | 27.5  | 29.8  | 31.1  |
| 82.5°  | 17.8  | 18.2  | 19.1  | 20.0  |
| 85°    | 9.8   | 10.2  | 10.2  | 11.5  |
| 87.5°  | 4.0   | 4.4   | 4.4   | 4.9   |
| 90°    | 4.2   | 2.9   | 1.7   | 0.5   |
| 92.5°  | 12.6  | 11.7  | 10.9  | 10.1  |
| 95°    | 27.0  | 25.9  | 24.9  | 23.9  |
| 97.5°  | 42.8  | 41.9  | 40.9  | 40.0  |
| 100°   | 60.9  | 60.0  | 59.2  | 58.4  |
| 102.5° | 79.6  | 79.0  | 78.4  | 77.8  |
| 105°   | 99.8  | 99.5  | 99.2  | 98.9  |
| 107.5° | 121.3 | 120.9 | 120.5 | 120.1 |
| 110°   | 142.2 | 141.5 | 140.9 | 140.3 |

TEST NUMBER: P1029363

CATALOG NUMBER: S122DIW-B290D435UB2750-4F0-XX-W2A-A1\_3500K

**CANDELA DISTRIBUTION (continued):**

|        | 345°  | 350°  | 355°  | 360°  |
|--------|-------|-------|-------|-------|
| 112.5° | 164.3 | 163.6 | 163.0 | 162.4 |
| 115°   | 185.9 | 185.3 | 184.7 | 184.1 |
| 117.5° | 208.2 | 207.3 | 206.5 | 205.7 |
| 120°   | 229.8 | 228.9 | 228.1 | 227.3 |
| 122.5° | 250.2 | 249.1 | 248.1 | 247.1 |
| 125°   | 270.5 | 269.6 | 268.7 | 267.8 |
| 127.5° | 291.4 | 290.3 | 289.1 | 288.0 |
| 130°   | 310.9 | 309.6 | 308.2 | 306.9 |
| 132.5° | 331.2 | 330.1 | 329.1 | 328.1 |
| 135°   | 349.8 | 348.7 | 347.6 | 346.5 |
| 137.5° | 369.5 | 368.6 | 367.6 | 366.7 |
| 140°   | 387.4 | 386.5 | 385.6 | 384.7 |
| 142.5° | 405.8 | 404.9 | 404.0 | 403.1 |
| 145°   | 422.7 | 422.0 | 421.3 | 420.6 |
| 147.5° | 439.0 | 438.1 | 437.1 | 436.2 |
| 150°   | 454.2 | 453.5 | 452.9 | 452.3 |
| 152.5° | 468.4 | 467.8 | 467.2 | 466.6 |
| 155°   | 481.7 | 481.4 | 481.1 | 480.8 |
| 157.5° | 493.9 | 493.7 | 493.5 | 493.3 |
| 160°   | 504.9 | 504.7 | 504.5 | 504.3 |
| 162.5° | 514.4 | 514.4 | 514.4 | 514.4 |
| 165°   | 522.9 | 523.0 | 523.1 | 523.2 |
| 167.5° | 530.1 | 530.4 | 530.7 | 531.0 |
| 170°   | 536.1 | 536.4 | 536.7 | 537.0 |
| 172.5° | 540.2 | 540.5 | 540.8 | 541.1 |
| 175°   | 543.4 | 543.7 | 544.0 | 544.3 |
| 177.5° | 545.3 | 545.6 | 545.9 | 546.2 |
| 180°   | 545.3 | 545.3 | 545.3 | 545.3 |

(END OF REPORT)